



## Safety Operation & Maintenance Manual

---

### *Ransomes Parkway 2250 Plus Ride On Reel Mower*

Series: WB - Engine type: Kubota V1505  
Product code: LGNN040



WARNING: If incorrectly used this machine can cause severe injury. Those who use and maintain this machine should be trained in its proper use, warned of its dangers and should read the entire manual before attempting to set up, operate, adjust or service the machine.





CONTENTS	PAGE	CONTENTS	PAGE
2 INTRODUCTION		7 OPERATION	
2.1 IMPORTANT .....	2	7.1 DAILY INSPECTION .....	26
2.2 PRODUCT IDENTIFICATION .....	2	7.2 OPERATOR PRESENCE AND SAFETY INTERLOCK SYSTEM .....	27
3 SAFETY INSTRUCTIONS		7.3 OPERATING PROCEDURE .....	28
3.1 OPERATING INSTRUCTIONS .....	3	7.4 STARTING THE ENGINE .....	29
3.2 SAFETY SIGNS .....	3	7.5 DRIVING .....	29
3.3 STARTING THE ENGINE .....	3	7.6 MOWING .....	29
3.4 DRIVING THE MACHINE .....	3	7.7 TO STOP THE ENGINE .....	29
3.5 TRANSPORTING .....	3	7.8 PUSHING THE MACHINE WITH THE ENGINE STOPPED .....	31
3.6 LEAVING THE DRIVING POSITION .....	4	7.12 MOWING ON SLOPES .....	32
3.7 SLOPES .....	4		
3.8 BLOCKED CUTTING CYLINDERS .....	4	8 LUBRICATION & MAINTENANCE	
3.9 ADJUSTMENTS, LUBRICATION AND MAINTENANCE .....	4	8.1 MAINTENANCE CHART .....	36
3.10 GUIDELINES FOR THE DISPOSAL OF SCRAP PRODUCTS .....	7	8.2 DAILY CHECKS (Every 8 working hours) .....	37
4 SPECIFICATIONS		8.3 MACHINE: Every 400 Working Hours. ....	38
4.1 ENGINE SPECIFICATION .....	8	8.4 MACHINE: Every 800 Working Hours. ....	38
4.2 MACHINE SPECIFICATION .....	8	8.5 HYDRAULIC TEST POINTS .....	38
4.3 VIBRATION LEVEL .....	9	8.6 ENGINE MAINTENANCE - Fuel System .....	39
4.4 SLOPES .....	9	8.7 ENGINE MAINTENANCE - Air Filter .....	40
4.5 RECOMMENDED LUBRICANTS .....	9	8.8 ENGINE MAINTENANCE - Battery .....	41
4.6 CUTTING PERFORMANCE .....	9	8.9 MACHINE MAINTENANCE .....	41
4.7 CUTTING PERFORMANCE (AREA) .....	9	8.10 END OF SEASON .....	42
4.7 DIMENSIONS .....	10	9 ADJUSTMENT	
4.9 CONFORMITY CERTIFICATES .....	12	9.3 COOLING FAN BELT .....	43
5 DECALS		9.1 SPEED LIMITER. ....	43
5.1 SAFETY DECALS .....	20	9.2 ALTERNATOR/WATER PUMP .....	43
5.2 INSTRUCTION DECALS .....	20	9.4 HEIGHT OF CUT .....	44
6 CONTROLS		9.5 BACKLAPPING .....	45
6.1 STARTER SWITCH .....	21	9.6 GENERAL INSTRUCTIONS FOR GRAMMER SEATS .....	46
6.2 THROTTLE CONTROL LEVER .....	21	9.6.2 SEAT MSG75 .....	47
6.3 STEERING WHEEL RAKE ADJUSTMENT .....	21	9.6.3 SEAT MSG85 .....	50
6.4 FOOTPEDAL .....	21	10 TROUBLESHOOTING	
6.5 SPEED LIMITER .....	21	10.1 GENERAL .....	52
6.6 TRANSPORT LATCHES .....	22	10.2 QUALITY OF CUT .....	53
6.7 PARKING BRAKE .....	22	11 FUSES AND RELAYS .....	61
6.8 HYDRAULIC LIFT LEVERS .....	22	12 GUARANTEE / SALES & SERVICE .....	63
6.9 UNIT COUNTER BALANCE CONTROL .....	22		
6.10 CUTTING UNIT SWITCHES .....	23		
6.11 VARIABLE CYLINDER SPEED .....	23		
6.12 BACKLAPPING LEVER .....	23		
6.13 INSTRUMENT PANEL .....	24		
6.14 DIFF LOCK CONTROL .....	25		

## 2.1 IMPORTANT

**IMPORTANT:** This is a precision machine and the service obtained from it depends on the way it is operated and maintained.

This SAFETY AND OPERATORS MANUAL should be regarded as part of the machine. Suppliers of both new and second-hand machines are advised to retain documentary evidence that this manual was provided with the machine.

This machine is designed solely for use in customary grass cutting operations. Use in any other way is considered as contrary to the intended use. Compliance with and strict adherence to the conditions of operation, service and repair as specified by the manufacturer, also constitute essential elements of the intended use.

Before attempting to operate this machine, **ALL** operators **MUST** read through this manual and make themselves thoroughly conversant with Safety Instructions, controls, lubrication and maintenance.

Accident prevention regulations, all other generally recognized regulations on safety and occupational medicine, and all road traffic regulations shall be observed at all times.

Any arbitrary modifications carried out on this machine may relieve the manufacturer of liability for any resulting damage or injury.

2006/42/EC




These are the Original instructions verified by Ransomes Jacobsen Limited.

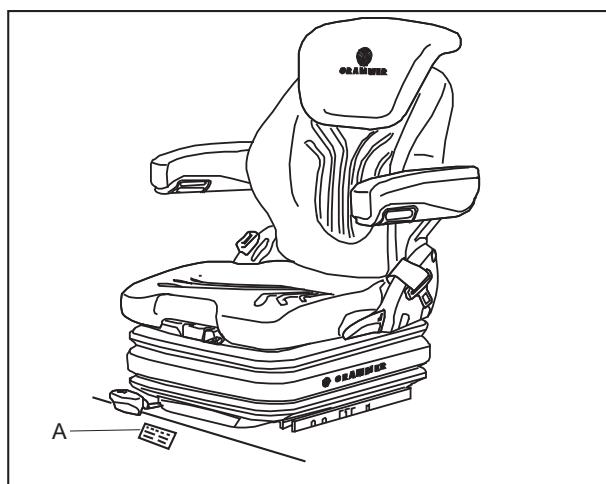
## 2.2 PRODUCT IDENTIFICATION

- A Maximum front axle load in Kg (for machines being driven on the highway)
- B Gross weight (mass) in Kg
- C Maximum rear axle load in Kg (for machines being driven on the highway)
- D Power in Kw
- E Date code
- F Machine type (Designation)
- G Product code
- H Product name
- J Serial number

### Serial Plate Location

The serial plate A is located on the chassis under the operators seating position.

  West Road Ransomes Europark Ipswich IP3 9TT England				
				
A	B	C	D	E
Kg	Kg	Kg	Kw	
F				G
H				J



**2.3 KEY NUMBERS**

It is recommended that all key numbers are noted here:

Starter Switch :- \_\_\_\_\_

Diesel tank :- \_\_\_\_\_

It is also recommended that the machine and engine numbers are recorded.

The machine serial number is located on the registration plate and the engine serial number can be found under the exhaust manifold above the starter motor.

Machine Number :- \_\_\_\_\_

Engine Number :- \_\_\_\_\_

**2.4 Spares Stocking Guide**

To keep your equipment fully operational and productive, Ransomes suggests you maintain a stock of the more commonly used maintenance items.

We have included part numbers for the additional support materials and training aids.

Service Support Material	
Part No	Description
24821E	Service Parts Catalogue
24870G	Parkway 2250 Plus Parts Manual
97898-03340	Kubota Engine Parts Manual
16622-8916-2	Kubota Engine Operators Manual
97897-00880	Kubota Engine Service Manual



This safety symbol indicates important safety messages in this manual. When you see this symbol, be alert to the possibility of injury, carefully read the message that follows, and inform other operators.

### 3.1 OPERATING INSTRUCTIONS

- Ensure that the instructions in this book are read and fully understood.
- No person should be allowed to operate this machine unless they are fully acquainted with all the controls and the safety procedures.
- Never allow children or people unfamiliar with these instructions to use this machine. Local regulations may restrict the age of the operator.

### 3.2 SAFETY SIGNS

- It is essential all safety labels are kept legible, if they are missing or illegible they must be replaced. If any part of the machine is replaced and it originally carried a safety label, a new label must be affixed to the replacement part. New safety labels are obtainable from Ransomes dealers.

### 3.3 STARTING THE ENGINE

- Before starting the engine check that the brakes are applied, drives are in neutral, guards are in position and intact, and bystanders are clear of the machine.
- Do not run the engine in a building without adequate ventilation.

### 3.4 DRIVING THE MACHINE

- Before moving the machine, check to ensure that all parts are in good working order, paying particular attention to brakes, tyres, steering and the security of cutting blades.
- Replace faulty silencers, mow only in daylight or good artificial light
- Always observe the Highway Code both on and off the roads. Keep alert and aware at all times. Watch out for traffic when crossing or near roadways.
- Stop the blades rotating before crossing surfaces other than grass.

- Remember that some people are deaf or blind and that children and animals can be unpredictable.
- Keep travelling speeds low enough for an emergency stop to be effective and safe at all times, in any conditions.
- Remove or avoid obstructions in the area to be cut, thus reducing the possibility of injury to yourself and/or bystanders.
- When reversing, take special care to ensure that the area behind is clear of obstructions and/or bystanders. DO NOT carry passengers.
- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
- When the machine is to be parked, stored or left unattended, lower the cutting means unless the transport locks are being used.
- While mowing, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.
- Check the grass catcher frequently for wear or deterioration. After striking a foreign object. Inspect the lawnmower for damage and make repairs before restarting and operating the equipment.
- If the machine starts to vibrate abnormally, check immediately.

### 3.5 TRANSPORTING

- Ensure that the cutting units are securely fastened in the transport position. Do not transport with cutting mechanism rotating.
- Drive the machine with due consideration of road and surface conditions, inclines and local undulations.
- Sudden decelerating or braking can cause the rear wheels to lift.
- Remember that the stability of the rear of the machine is reduced as the fuel is used.

**3.6 LEAVING THE DRIVING POSITION**

- Park the machine on level ground.
- Before leaving the driving position, stop the engine and make sure all moving parts are stationary. Apply brakes and disengage all drives. Remove the starter key.

**3.7 SLOPES****TAKE EXTRA CARE WHEN WORKING ON SLOPES**

- Local undulations and sinkage will change the general slope. Avoid ground conditions which can cause the machine to slide.
- Keep machine speeds low on slopes and during tight turns.
- Sudden decelerating or braking can cause the rear wheels to lift. Remember there is no such thing as a "safe" slope.
- Travel on grass slopes requires particular care.

**DO NOT USE ON SLOPES GREATER THAN 15°**

**IMPORTANT:** When working on any slope set the weight transfer, if fitted to its maximum (+) setting.

**3.8 BLOCKED CUTTING CYLINDERS**

- Stop the engine and make sure all moving parts are stationary.
- Apply brakes and disengage all drives.
- Release blockages with care. Keep all parts of the body away from the cutting edge. Beware of energy in the drive which can cause rotation when the blockage is released.
- Keep other people away from the cutting units as rotation of one cylinder can cause the others to rotate.

**3.9 ADJUSTMENTS, LUBRICATION AND MAINTENANCE****All vehicles**

- Stop the engine and make sure all moving parts are stationary.
- Apply brakes and disengage all drives.
- Read all the appropriate servicing instructions.
- Use only the replacement parts supplied by the original manufacturer.
- When adjusting the cutting cylinders take care not to get hands and feet trapped when rotating cylinders.
- Make sure that other people are not touching any cutting units, as rotation of one cylinder can cause the others to rotate.

- To reduce the fire hazard, keep the engine, silencer and battery compartments free of grass, leaves or excessive grease.
- Replace worn or damaged parts for safety.
- When working underneath lifted parts or machines, make sure adequate support is provided.
- Do not dismantle the machine without releasing or restraining forces which can cause parts to move suddenly.
- Do not alter engine speed above maximum quoted in Engine Specification. Do not change the engine governor settings or overspeed the engine. Operating the engine at excessive speed may increase the hazard of personal injury.
- When servicing batteries, DO NOT SMOKE, and keep naked lights away.
- Do not place any metal objects across the terminals.

**Diesel & Petrol vehicles**

- When refuelling, STOP THE ENGINE, DO NOT SMOKE. Add fuel before starting the engine, never add fuel while the engine is running.
- Use a funnel when pouring fuel from a can into the tank.
- Do not fill the fuel tank beyond the bottom of the filler neck.
- Replace all fuel tank and container caps securely.
- Store fuel in containers specifically designed for this purpose.
- Refuel outdoors only and do not smoke while refuelling.
- If fuel is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until fuel vapours have dissipated.
- Allow the engine to cool before storing in any enclosure.
- Never store the equipment with fuel in the tank inside a building where fumes may reach an open flame or spark.
- If the fuel tank has to be drained, this should be done outdoors.
- Do not spill fuel onto hot components.

**DANGER** - Indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.

**WARNING** - Indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.

**CAUTION** - Indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury and property damage. It may also be used to alert against unsafe practices.

**IMPORTANT:** Transport speed is for highway use only. Never select transport speed on grass areas or uneven or unsurfaced roads or tracks.

The operating Instructions for the Cutting Units are contained in a separate Publication .



### WARNING



Hydraulic Fluid escaping under pressure can penetrate skin and do serious damage. Immediate medical assistance must be sought.



### WARNING



DO NOT USE ON SLOPES GREATER THAN 15°



### WARNING



VENTING GAS CAN CAUSE FROST BITE



### WARNING



California Proposition 65  
Engine Exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.



### WARNING



Batteries produce explosive gases and contain corrosive acid and supply levels of electrical current high enough to cause burns.



### WARNING



Battery posts, terminals and related accessories contain lead and lead compounds

WASH HANDS AFTER HANDLING



### WARNING



Cutting Unit Transport Latches are a Secondary Safety Device.

When Transporting the machine the Cutting units should be held in the Transport position on the Hydraulics with the Transport Latches Engaged.

1. Park the machine on level ground.
2. Whilst seated in the driving position With the engine at operating speed raise the cutting units fully by operating lift levers, return the lever to the neutral position.

**DO NOT** move the lever into the lower position.

3. Disengage drives, stop the engine and make sure all moving parts are stationary. Apply brakes and remove the starter key.
4. Transport latches can now be engaged or released.

Before releasing transport latches it is important that all cutting units are fully raised.

### 3.10 GUIDELINES FOR THE DISPOSAL OF SCRAP PRODUCTS

When it has been identified that a turf care product has no further functional value and requires disposal, the following actions should be taken.

These guidelines should be used in conjunction with applicable Health, Safety and Environmental legislation and use of approved local facilities for waste disposal and recycling.

- Position the machine in a suitable location for any necessary lifting equipment to be used.
- Use appropriate tools and Personal Protective Equipment (PPE) and take guidance from the technical manuals applicable to the machine.
- Remove and store appropriately:
  1. Batteries
  2. Fuel residue
  3. Engine coolant
  4. Oils
- Disassemble the structure of the machine referring to the technical manuals where appropriate. Special attention should be made for dealing with 'stored energy' within pressurised elements of the machine or tensioned springs.
- Any items that still have a useful service life as second hand components or can be re-serviced should be separated and returned to the relevant centre.

- Other worn out items should be separated into material groups for recycling and disposal consistent with available facilities. More common separation types are as follows:
  - Steel
  - Non ferrous metals
    - Aluminium
    - Brass
    - Copper
  - Plastics
    - Identifiable
      - Recyclable
      - Non recyclable
    - Not identified
  - Rubber
- Items that cannot be separated economically into different material groups should be added to the 'General waste' area.
- Do not incinerate waste.

Finally update machinery records to indicate that the machine has been taken out of service and scrapped.

**4.1 ENGINE SPECIFICATION**

TYPE:	Kubota 28Kw @ 3000rpm, 4 cylinder (in-line) vertical Diesel engine, 4-stroke, water cooled, 1498cc, with 12v electric start.
Model:	V1505-BBS-EC-1
Maximum Speed:	3000 +/-50 RPM (No load)
Idle Speed:	1500 +100/ -0 RPM
Oil Sump Capacity:	6.4 litres
Fuel:	No. 2-D Diesel fuel (ASTM D975)
Coolant Capacity:	5 litres 50/50 Anti-freeze
Coolant Specification:	Ethylene glycol anti-freeze with softened water.

**4.2 MACHINE SPECIFICATION**

Frame construction:	Heavy duty formed steel chassis.
Transmission:	Hydrostatic power provided by a servo-controlled transmission pump. Driving 4 individual wheel motors. Selectable forward all wheel drive lock and reverse front axle diff lock facility.
Cutting unit drive:	Hydraulic, with forward, neutral, reverse control valve. Electric dash mounted switch for on/off control, with floor mounted switch for cylinder engage. Hand control valve for reel speed adjustment
Speeds:	
Cutting:	12 km/h
Transport:	25 km/h
Reverse:	6 km/h
Steering:	Hydrostatic powered steering to rear wheels.
Ground pressure:	1.0 kg/cm
Brakes, Service:	Positive hydrostatic braking.
Parking:	Fail safe, Oil immersed wet disc brakes.
Battery:	Exide 093

**4.3 VIBRATION**

The machine was tested for whole body and hand/arm vibration levels. The operator was seated in the normal operating position with both hands on the steering mechanism. The engine was running and the cutting device was rotating with the machine stationary.

**Standard ISO 5349: 1986** Mechanical vibration. Guidelines for the measurement and the assessment of human exposure to hand-transmitted vibration

Parkway 2250 Plus Series WB Hand / Arm Acceleration level	Max LH or RH Accelerations m/s <sup>2</sup>		
	X Aeq	Y Aeq	Z Aeq
	0,346	0,394	0,337
Dominant Value	0,394		

**Standard ISO 2631-1: 1985** Evaluation of human exposure to whole body vibration -- Part 1: General requirements.

Parkway 2250 Plus SeriesWB Whole Body Acceleration level	Floor Location Accelerations m/s <sup>2</sup>			Seat Location Accelerations m/s <sup>2</sup>		
	x	y	z	x	y	z
Mean	0.0253	0.0200	0.0700	0.0219	0.0125	0.0253

**4.4 SLOPES****DO NOT USE ON SLOPES GREATER THAN 15°**

The slope 15° was calculated using static stability measurements according to the requirements of EN 836.

**4.5 RECOMMENDED LUBRICANTS**

Engine oil: Should be to MIL-L-2104C or to A.P.I. Classification SE/SF/SG grades. [10W-30]

TEMPERATURE	OIL VISCOSITY
ABOVE 4°C (39°F)	SAE30
BELOW 4°C (39°F)	SAE5W-30 or 10W-30

Hydraulic Oil: ISO VG46, or equivalent

Grease: K NATE (RJL No. 4213860), or equivalent to MIL-G-23549C, MIL-G-2345C, DIN 51 825, DIN 51 818.

**4.6 CUTTING PERFORMANCE**

45 cuts per meter at 12 km/hr with 8 knife floating head units.

62 cuts per meter at 12km/hr with 11 knife floating head units.

23 cuts per meter at 12 km/hr with 4 knife fixed head units.

34 cuts per meter at 12 km/hr with 6 knife fixed head units.

**4.7 CUTTING PERFORMANCE (AREA)**

2.3 Hectares/hour at 12 km/hr with float head units.

2.3 Hectares/hour at 12 km/hr with fixed head units.

A 10% allowance is included for normal overlaps and turning at the end of each cut.

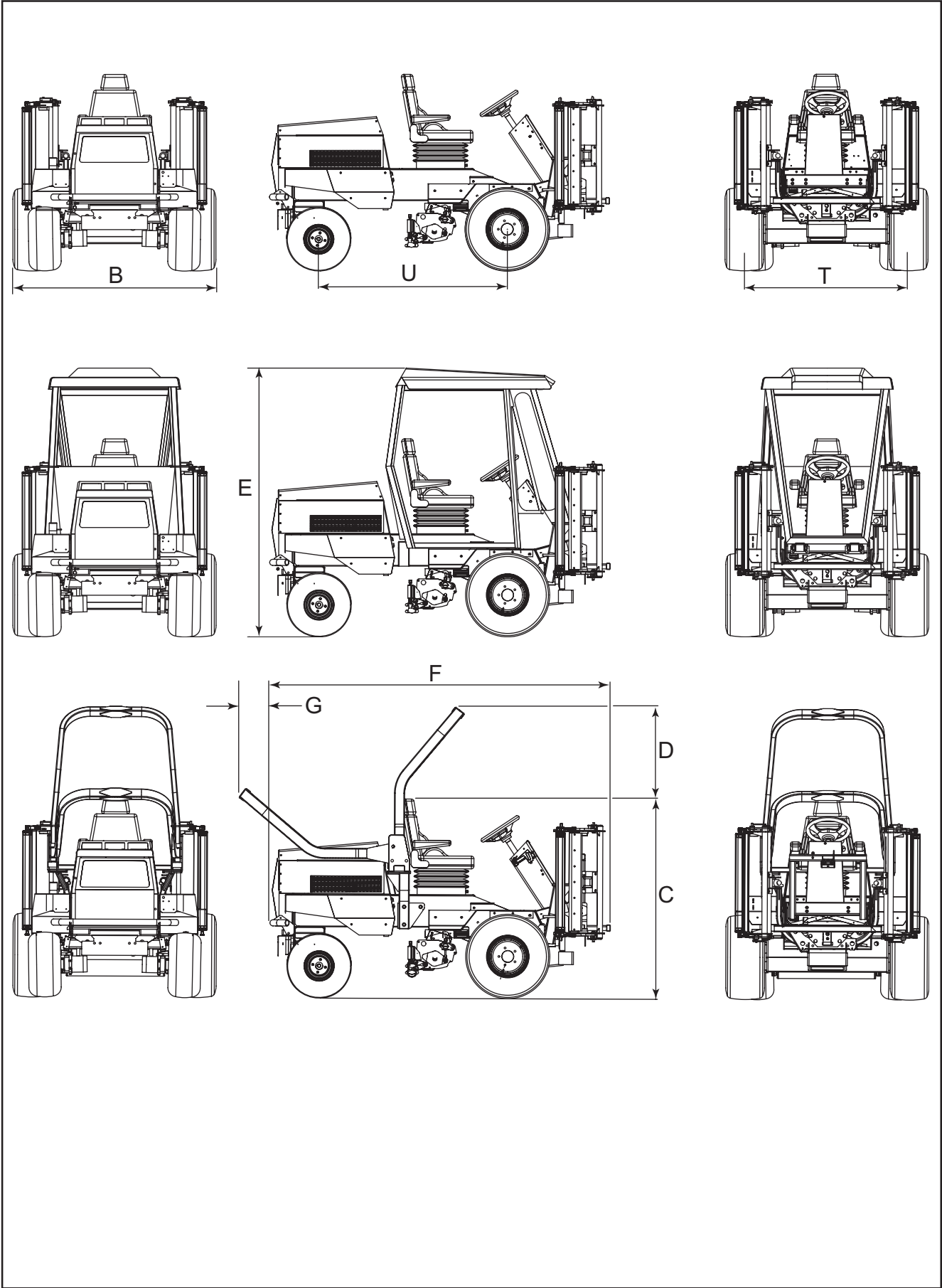
## 4.8 DIMENSIONS

A	Width of cut	214 cm
B	Transport width	160 cm
C	Overall height without ROPS	148.5 cm
D	Overall height with ROPS, add	69.5 cm
E	Overall height with ROPS Cab	215.5 cm
F	Overall length ROPS Frame up	268 cm
G	Overall length ROPS Frame down, add	31 cm
H	Weight of Machine -with Sport 200l	1360 kg*
J	Weight of Machine - With Magna 250	1380 kg*
K	Weight of Sport 200 6 Knife Floating Cutting Unit (each)	
L	Weight of Sport 200 8 Knife Floating Cutting Unit (each)	
M	Weight of Magna 250 4 Knife Fixed Cutting Unit (each)	
N	Weight of Magna 250 6 Knife Fixed Cutting Unit (each)	
P	Weight of Magna 250 8 Knife Fixed Cutting Unit (each)	
Q	Weight of ROPS	88.6 kg
R	Weight of Lighting Kit	
S	Weight of Beacon Kit	
T	Wheel Track	135.4 cm
U	Wheel Base	149 cm
V	Uncut Circle (Radius)	75 cm

\* With 6 knife fixed head magna units, full fuel tank,  
and optional Lighting and Beacon kits

## TYRE PRESSURES

Product	Front Wheel				Rear Wheel			
	Tyre Size	Tyre Type	Tyre Pressure		Tyre Size	Tyre Type	Tyre Pressure	
Parkway 2250 Plus	26 x 12.00 - 12	Titan Multi Trac 6pr	14 - 20 psi	1.00 - 1.37 bar	20 x 10.00 - 8	Titan Multi Trac 4pr	14 - 20 psi	1.00 - 1.37 bar
		Maxxis Turfmaxx (Kevlar) tread pattern C-165s 4pr	20 - 22 psi	1.37 - 1.50 bar		Maxxis Turfmaxx (Kevlar) tread pattern C-165s 4pr	20 - 22 psi	1.37 - 1.50 bar



## 4.9 CONFORMITY CERTIFICATES

**DECLARATION OF CONFORMITY • ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ • PROHLÁŠENÍ O SHODĚ •  
OVERENSSTEMMELSESERKLÆRING • CONFORMITEITSVERKLARING • VASTAVUSDEKLARATSIION •  
VAATIMUSTENMUKAISUUSVAKUUTUS • DECLARATION DE CONFORMITE • KONFORMITÄTSEKRLÄRUNG • ΔΗΛΩΣΗ  
ΣΥΜΜΟΡΦΩΣΗΣ • MEGFELELŐSÉGI NYILATKOZAT • DICHIARAZIONE DI CONFORMITÀ • ATBILSTĪBAS DEKLARĀCIJA •  
ATITIKTIES DEKLARACIJA • DIKJARAZZJONI TAL-KONFORMITÀ • DEKLARACJA ZGODNOŚCI • DECLARAÇÃO DE  
CONFORMIDADE • DECLARAȚIE DE CONFORMITATE • VYHLÁSENIE O ZHODE • IZJAVA O SKLADNOSTI • DECLARACIÓN DE  
CONFORMIDAD • DEKLARATION OM ÖVERENSSTÄMMELSE • SAMRÆMISYFIRLÝSING • KONFORMITETSERKLÆRING**

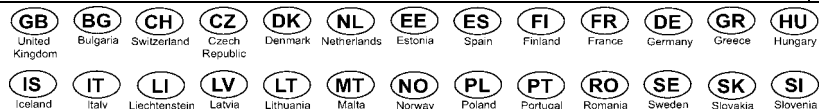
Business name and full address of the manufacturer • Търговско име и пълен адрес на производителя • Obchodní jméno a plná adresa výrobce • Producentens firmanavn og fulde adresse • Bedrijfsnaam en volledige adres van de fabrikant • Tootja äranimi ja täielik address • Valmistajan toiminimi ja täydellinen osoite • Nom commercial et adresse complète du fabricant • Firmenname und vollständige Adresse des Herstellers • Εταιρεία και ταχυδρομική διεύθυνση κατασκευαστή • A gyártó üzleti neve és teljes címe • Ragione sociale e indirizzo completo del fabbricante • Uzņēmuma nosaukums un pilna ražotāja adrese • Verslo pavadinimas ir pilnas gamintojo adresas • Išem kumercijai u indirizz shih tal-fabrikant • Nazwa firmy i pełny adres producenta • Nome da empresa e endereço completo do fabricante • Denumirea comercială și adresa completă a producătorului • Obchodný názov a úplná adresa výrobcu • Naziv podjetja in polni naslov proizvajalca • Nombre de la empresa y dirección completa del fabricante • Tillverkarens företagsnamn och kompletta adress • Fyrirtækisheiti og fullt heimilisfang framleiðanda • Firmanavn og full adresse for produsenten	Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT
Product Code • Код на продукта • Kód výrobku • Produktkode • Productcode • Toote kood • Tuotekoodi • Code produit • Produktcode • Κωδικός προϊόντος • Termékkód • Codice prodotto • Produkta kods • Produkto kodas • Kodičiči tal-Prodott • Kod produktu • Código do Produto • Cod produs • Kód výrobku • Oznaka proizvoda • Código de producto • Produktkod • Vörnumér • Produktkode	LGNN040
Machine Name • Наименование на машината • Název stroje • Maskinnavn • Machinenam • Masina nimi • Laitteen nimi • Nom de la machine • Maschinenbezeichnung • Όνομασία μηχανήματος • Gépnév • Denominazione della macchina • Iekārtas nosaukums • Mašinos pavadinimas • Isem tal-Magna • Nazwa urządzenia • Nome da Máquina • Numele echipamentului • Název stroja • Naziv stroja • Nombre de la máquina • Maskinens namn • Heiti tækis • Maskinnavn	Ransomes Parkway 2130
Designation • Предназначение • Oznaceni • Betegnelse • Benaming • Nimetus • Tyypimerkintä • Pažymėjimas • Bezeichnung • Χαρακτηρισμός • Megnevezés • Funzione • Apzīmējums • Lithuanian • Denominazzjoni • Oznaczenie • Designação • Specificație • Oznaczenie • Namen stroja • Descripción • Beteckning • Merking • Konstruksjon	Ride on Reel Mower
Serial Number • Серийн номер • Sériové číslo • Seriennummer • Seriennummer • Seerianumber • Valmistusnumero • Numéro de série • Seriennummer • Σειριακός αριθμός • Sorozatszám • Numero di serie • Sérijas numurs • Serijos numeris • Numru Serjali • Numer seryjny • Número de Série • Număr de serie • Sériové číslo • Serijska številka • Número de serie • Seriennummer • Raðnúmer • Seriennummer	WB000301 - WB000310
Engine • Двигател • Motor • Motor • Motor • Mootor • Mootori • Moteur • Motor • Μηχανή • Modulnév • Motore • Dzinējs • Variklis • Sahha Netta Installata • Silnik • Motor • Motor • Motor • Motor • Motor • Motor • Vél • Motor	Kubota D1505-E2B-RAN.UK-2
Net Installed Power • Нетна инсталирана мощност • Čistý instalovaný výkon • Installeret nettoeffekt • Netto geïnstalleerd vermogen • Installeeritud netovõimsus • Asennettu nettoteho • Puissance nominale nette • Installierte Nettoleistung • Καθαρή εγκατεστημένη ισχύς • Nettó beépített teljesítmény • Potenza netta installata • Paredzētā tīkla jauda • Grynoj galia • Wisa' tal-Qtugh • Moc zainstalowana netto • Potência instalada neta • Puterea instalată netă • Čistý inštalovaný výkon • Neto vgrajena moč • Potencia instalada neta • Nettoeffekt • Nettoafi vëlar • Netto installert kraft	28 kW @ 3000 RPM
Cutting Width • Ширина на рязане • Šírka řezu • Skerbredd • Maabreedte • Lökelaius • Leikukuleveys • Largeur de coupe • Schnittbreite • Μήκος μανιέρας • Vágási szélesség • Larghezza di taglio • Griëšanas platums • Pjovimo plotis • Tikkonforma mað-Direttivi • Szerokość cęcia • Largura de Corte • Lățimea de tăiere • Šírka záberu • Širina reza • Anchura de corte • Klippbredd • Skurðbreidd • Klippebredd	214cm
Conforms to Directives • В съответствие с директивите • Splňuje podmínky směrníc • Er i overensstemmelse med direktiver • Voldoet aan de richtlijnen • Vastab direktiividele • Direktiivien mukainen • Conforme aux directives • Entspricht Richtlinien • Ακολουθεί τις πιστό τις Οδηγίες • Megfelel az irányelveknek • Conforme alle Directive • Atbilst direktīvām • Atitinka direktyvų reikalavimus • Valutazzjoni tal-Konformità • Dyrektywy związane • Cumpre as Directivas • Respectă Directivele • Je v súlade so smernicami • Skladnost z direktivami • Cumple con las Directivas • Uppfyller direktiv • Samræmist tilskipunum • I samsvær med direktiv	2006/42/EC 2004/108/EC 2000/14/EC Annex VI . Part 1
Conformity Assessment • Оценка за съответствие • Hodnocení plnění podmínek • Overensstemmelsesvurdering • Conformiteitsbeoordeling • Vastavushindamine • Vaatimustenmukaisuuden arviointi • Evaluation de conformité • Konformitätsbeurteilung • Διαπίστωση Συμμόρφωσης • Megfelelőség-értékelés • Valutazione della conformità • Atbilstības novērtējums • Atitikties įvertinimas • Livell tal-Qawwa tal-Hoss Imkejjel • Ocena zgodności • Avaliação de Conformidade • Evaluarea conformității • Vyhodnotenie zhodnosti • Ocena skladnosti • Evaluación de conformidad • Bedömning av överensstämmelse • Samræmistat • Konformitetsvurdering	2006/42/EC Annex VIII
Measured Sound Power Level • Измерено ниво на звукова мощност • Naměřený akustický výkon • Målte lydstyrkeniveau • Gemeten geluidsniveau • Mõõdetud helivõimsuse tase • Mitattu äänitehotaso • Niveau de puissance sonore mesuré • Gemessener Schalldruckpegel • Στοιχισμένο επίπεδο ηχητικής ισχύος • Mért hangteljesítményszint • Livello di potenza sonora misurato • Izmērtais skaņas jaudas līmenis • Išmatuotas garso stiprumo lygis • Livell tal-Qawwa tal-Hoss Iggarantit • Moc akustyczna mierzona • Nivel sonoro medido • Nivelul măsurat al puterii acustice • Nameranā hladina akustiského výkonu • Izmerjena raven zvočne moči • Nivel de potencia sonora medido • Uppmätt ljudeffektsnivå • Mælt hjóðafsstig • Målt lydeffektivtät	101 dB(A) LWA
Guaranteed Sound Power Level • Гарантирано ниво на звукова мощност • Garantovaný akustický výkon • Garanteret lydstyrkeniveau • Gegarandeerd geluidsniveau • Garanteeritud helivõimsuse tase • Taattu äänitehotaso • Niveau de puissance sonore garanti • Garantiierter Schalldruckpegel • Εγγυημένο επίπεδο ηχητικής ισχύος • Szavatolt hangteljesítményszint • Livello di potenza sonora garantito • Garantētais skaņas jaudas līmenis • Garantuotas garso stiprumo lygis • Livell tal-Qawwa tal-Hoss Iggarantit • Moc akustyczna gwarantowana • Nivel sonoro garantido • Nivelul garantat al puterii acustice • Garantovaná hladina akustického výkonu • Zajamčena raven zvočne moči • Nivel de potencia sonora garantizado • Garanterad ljudeffektsnivå • Hjóðafsstig sem ábyrgð er tekin á • Garanter lydeffektivtät	105 dB(A) LWA
Conformity Assessment Procedure (Noise) • Оценка за съответствие на процедурата (Шум) • Postup hodnocení plnění podmínek (hluk) • Procedure for overensstemmelsesvurdering (Støj) • Procedure van de conformiteitsbeoordeling (geluid) • Vastavushindamismenetlus (müra) • Vaatimustenmukaisuuden arviointimenettely (Melu) • Procédure d'évaluation de conformité (bruit) • Konformitätsbeurteilungsverfahren (Geräusch) • Διαδικασία Αξιολόγησης Συμμόρφωσης (Θόρυβος) • Megfelelőség-értékelési eljárás (Zaj) • Procedura di valutazione della conformità (rumore) • Atbilstības novērtējuma procedūra (troksnis) • Atitikties įvertinimo procedūra (garsas) • Procedura tal-Valutazzjoni tal-Konformità (Hoss) • Procedura oceny zgodności (poziom hałas) • Processo de avaliação de conformidade (nível sonoro) • Procedura de evaluare a conformității (zgomot) • Postup vyhodnocovania zhodnosti (hluk) • Postopek za ugotavljanje skladnosti (hrup) • Procedimiento de evaluación de conformidad (ruido) • Procedur för bedömning av överensstämmelse (buller) • Samræmistatsaðferð (hávaði) • Prosedyre for konformitetsvurdering (støy)	2000/14/EC Annex VI Part 1
UK Notified Body for 2000/14/EC • Нотифициран орган в Обединеното кралство за 2000/14/EO • Úřad certifikovaný podle směrnice č. 2000/14/EC • Det britiske bemyndigede organ for 2001/14/EF • Engels adviesorgaan voor 2000/14/EG • Ühendkuningriigi teavitatud asutus direktiivi 2000/14/EÜ mõistes • Direktiivin 2000/14/EY mukainen ilmoitettu tarkastuslaitos Iosssa-Britanniassa • Organisme notifié concernant la directive 2000/14/CE • Britische benannte Stelle für 2000/14/EG • Κοινοποιημένος Οργανισμός Ηνωμένου Βασιλείου για 2000/14/EK • 2000/14/EC – egyesült királyságbeli bejelentett szervezet • Organismo Notificato in GB per 2000/14/CE • 2000/14/EK AK regisztrált organizáció • JK notifikuotosios įstaigos 2000/14/EC • Korp Notifikat tar-Renju Unit ghal 2000/14/KE • Dopuszczona jednostka badawcza w Wielkiej Brytanii wg 2000/14/WE • Entidade notificada no Reino Unido para 2000/14/CE • Organism notificat în Marea Britanie pentru 2000/14/CE • Notifikovaný orgán Spojeného královstva pre smernicu 2000/14/ES • Britanski prikladeni organ za 2000/14/ES • Cuerpo notificado en el Reino Unido para 2000/14/CE • Anmält organ för 2000/14/EG i Storbritannien • Tilkyntur aðili í Bretlandi fyrir 2000/14/EC • Britisk teknisk for 2000/14/EF	Number: 1088 Sound Research Laboratories Limited Holbrook House, Little Walsingham Sudbury, Suffolk CO10 0TH

Operator Ear Noise Level • Оператор на нивото на доповим от ухото шум • Hladina hluku v oblasti uší operátora • Stojníveu i forers orehojde • Geluidsniveau oor bestuurder • Múratase operatori kónvas • Melutaso káytátján korvan kohdalla • Niveau de bruit à hauteur des oreilles de l'opérateur • Schallpegel am Bedienerohr • Επίπεδο θορύβου σε Ακτουργία • A kezelő fülénél mért zajszint • Livello di potenza sonora all'orecchio dell'operatore • Trokska línimen pie operatora auss • Dirbančiojo su mašina patiriama triukšmo lygis • Livell tal-Hoss fil-Widna tal-Operator • Dopuszczalny poziom hałasu dla operatora • Nível sonoro nos ouvidos do operador • Nivelul zgomotului la urechea operatorului • Hladina hluku pôsobíaca na sluch operátora • Raven hrupa pri úsešu upravljavca • Nivel sonoro en el oído del operador • Ljudnivá vid förarens öra • Hávaðastig fyrir stjórnanda • Stöyinná ved operatörens öre	85.3 dB(A) Leq (2006/42/EC)
Harmonised standards used • Използвани хармонизирани стандарти • Použité harmonizované normy • Brugte harmoniserede standarder • Gebruikte geharmoniseerde standards • Kasutatud ühtlustatud standardid • Käytetyt yhdenmukaistetut standardit • Normes harmonisées utilisées • Angewandte harmonisierte Normen • Ενοποιηµένες πρότυπα που χρησιµοποιήθηκαν • Harmonizált szabványok • Standard armonizzati applicati • Izmantotie saskāpotie standarti • Panaudoti suderinti standartai • Standards armonizzati usati • Normy spoĳne powiązane • Normas harmonizadas usadas • Standardele armonizate utilizate • Použité harmonizované normy • Uporabljeni usklajeni standardi • Estándares armonizados utilizados • Harmoniserade standarder som används	BS EN 1032:2003+A1:2008 BS EN ISO 20643:2008 BS EN ISO 5349-1:2001 BS EN ISO 5349-2:2002 BS EN ISO 14962:1998 BS EN 50338:2006 BS EN 60335-2-77:2006 BS EN 1032:2003 BS EN 836:1997
Technical standards and specifications used • Използвани технически стандарти и спецификации • Použité technické normy a specifikace • Brugte tekniske standarder og specifikationer • Gebruikte technische standaards en specificaties • Kasutatud tehnilised standardid ja spetsifikatsioonid • Käytetyt tekniset standardit ja eritelmät • Specifications et normes techniques utilisées • Angewandte technische Normen und Spezifikationen • Τεχνικά πρότυπα και προδιαγραφές που χρησιµοποιήθηκαν • Müszaki szabványok és specifikációk • Standard tecnici e specifiche applicati • Izmantotie tehnikskie standarti un specifikaĳas • Panaudoti techniniai standartai ir techninė informacija • Standards u specifikazzjoniliet tehnici užati • Normy i specyfikacje techniczne powiązane • Normas técnicas e especificações usadas • Standardele tehnice şi specificaĳile utilizate • Použité technické normy a specifikácie • Uporabljeni tehniĳni standardi in specifikacije • Estándares y especificaciones técnicas utilizadas • Tekniska standarder och specifikationer som används • Samræmdir staðlar sem notaðir eru • Benyttede tekniske standarder	OECD Code 4 ROPS static Test BS ISO 2631-1 AMD1
The place and date of the declaration • Място и дата на декларацията • Misto a datum prohlášení • Sted og dato for erklæringen • Plaats en datum van de verklaring • Deklaratsiooni väljastamise koht ja kuupäev • Vakuutuksen paikka ja päivämäärä • Lieu et date de la déclaration • Ort und Datum der Erklärung • Τόπος και ημερομηνία δήλωσης • A nyilatkozat kette (hely és idő) • Luogo e data della dichiarazione • Deklarācijas vieta un datums • Deklaracijos vieta ir data • Il-post u d-data tad-dikjarazzjoni • Miejsce i data wystawienia deklaracji • Local e data da declaraĳão • Locul şi data declaraĳiei • Miesto a dátum vyhlásenia • Kraj in datum izjave • Lugar y fecha de la declaración • Plats och datum för deklarationen • Tēknistablar og tēknilyſingar sem notaðar eru • Benyttede tekniske standarder og spesifikasjoner • Staður og dagsetning yfirlýsingar • Sted og dato for erklæringen	Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT 4th January 2010
Signature of the person empowered to draw up the declaration on behalf of the manufacturer, holds the technical documentation and is authorised to compile the technical file, and who is established in the Community. Подпис на човека, упълномощен да състави декларацията от името на производителя, който поддържа техническата документация и е оторизиран да изготви техническия файл и е регистриран в общността. Podpis osoby oprávněné sestavit prohlášení jménem výrobce, držit technickou dokumentaci a osoby oprávněné sestavit technické soubory a založené v rámci Evropského společenství. Underskrift af personen, der har fuldmagt til at udarbejde erklæringen på vegne af producenten, der er indehaver af dokumentationen og er bemyndiget til at udarbejde den tekniske journal, og som er baseret i nærværdet. Handtekening van de persoon die bevoegd is de verklaring namens de fabrikant te tekenen, de technische documentatie bewaart en bevoegd is om het technische bestand samen te stellen, en die is gevestigd in het Woongebied. Ühenduse registreerise kantud isku allkirj, kes on volitatud tootja nimel deklaratsiooni koostama, kes omab tehnilist dokumentatsiooni ja kellel on õigus koostada tehniline toimik. Sen henkilön allekirjoitus, jolla on valmistajan valtuutus vakuutuksen laadintaan, jolla on hallussaan tekniset asiakirjat, joka on valtuutettu laatimaan tekniset asiakirjat ja joka on sijottautunut yhteisöön. Signature de la personne habilitée à rédiger la déclaration au nom du fabricant, à détenir la documentation technique, à compiler les fichiers techniques et qui est implantée dans la Communauté. Unterschrift der Person, die berechtigt ist, die Erklärung im Namen des Herstellers abzugeben, die die technischen Unterlagen aufbewahrt und berechtigt ist, die technischen Unterlagen zusammenzustellen, und die in der Gemeinschaft niedergelassen ist. Υπογραφή ατόμου εξουσιοδοτημένου για την σύνταξη της δήλωσης εκ μέρους του κατασκευαστή, ο οποίος κατέχει την τεχνική έκθεση και έχει την εξουσιοδότηση να ταξινομήσει τον τεχνικό φάκελο και ο οποίος είναι διαμορφωμένος στην Κοινότητα. A gyártó nevénben meghatalmazott személy, akinek jogában áll módosítani a nyilatkozatot, a műszaki dokumentációt őrzi, engedélyvel rendelkezik a műszaki fájl összeállításához, és aki a közösségben letelepedett személy. Firma della persona autorizzata a redigere la dichiarazione a nome del fabbricante, in possesso Della documentazione tecnica ed autorizzata a costituire il fascicolo tecnico, che deve essere stabilita nella Comunità. Tās personas paraksts, kura ir pilnvarota deklarācijas sastādīšanai ražotāja vārdā, kurai ir tehniskā dokumentācija, kura ir pilnvarota sagatavēt tehnisko reģistru un kura ir apstiprināta Kopienā. Asmuo, kuris yra gana žinomas, kuriam gamintojas suteikė įgaliojimus sudaryti šią deklaraciją, ir kuris įa pasirašė, turi visą techninę informaciją ir yra įjiliotas sudaryti techninės informacijos dokumentą. Il-firma tal-persuna awtorizzata li fassal id-dikjarazzjoni f'isem il-fabrikant, għandha d-dokumentazzjoni teknika u hija awtorizzata li tikkompila l-fajl tekniku u li hija stabbilita li-Komunità. Podpis osoby upoważnionej do sporządzenia deklaracji w imieniu producenta, przechowującej dokumentację techniczną, upoważnioną do stworzenia dokumentacji technicznej oraz wyznaczanej ds. wspólnotowych. Assinatura da pessoa com poderes para emitir a declaração em nome do fabricante, que possui a documentação técnica, que está autorizada a compilar o processo técnico e que está estabelecida na Comunidade. Semnătura persoanei împuternicite să elaboreze declaraĳia în numele producătorului, care deține documentaĳia tehnică, este autorizată să compileze dosarul tehnic şi este stabilită în Comunitate. Podpis osoby poverenej vystavením vyhlásenia v mene výrobcu, ktorá má technickú dokumentáciu a je oprávněná spracovať technické podklady a ktorá je umiestnená v Spoločenstve. Podpis osebe, pooblašene za izdelavo izjave v imenu proizvajalca, ki ima tehniĳno dokumentacijo in lahko sestavlja spis tehniĳne dokumentacije, ter ima sedež v Skupnosti. Firma de la persona responsabile de la declaración en nombre del fabricante, que posee la documentación técnica y está autorizada para recopilar el archivo técnico y que está establecido en la Comunidad. Undertecknas av den som bemyndigad att upprätta deklarationen å tillverkarens vägnar, innehar den tekniska dokumentationen och är bemyndigad att sammanställa den tekniska informationen och som är etablerad i gemenskapen. Underskrift abllans sem hefur umboð til að gera yfirlýsinguna fyrir hönd framleiðandans, hefur undir höndum tæknigögn og hefur leyfi til að taka saman tækniskýrsluna, og er viðurkenndur innan evrópska efnahagssvæðisins. Signatøren til personen som har fuldmagt til å utferdige erklæringen på vegne av produsenten, er i besittelse av den tekniske dokumentasjonen, har autorisasjon til å utarbeide den tekniske filen og som har tilhold i EU.	 Tim Lansdell Technical Director 4th January 2010 Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT
Certificate Number • Номер на сертификата • Číslo osvědčení • Certifikatnummer • Certificaatnummer • Sertifikaadi number • Hyväksyntänumero • Numéro de certificat • Bescheinigungsnummer • Αριθμός Πιστοποιητικού • Hitelesítési szám • Numero del certificato • Sertifikata numars • Sertifikato numeris • Numru tač-Certifikat • Numer certyfikatu • Número do Certificado • Număr certificat • Číslo osvedčenia • Številka certifikata • Número de certificado • Certifikatsnummer • Númer skirteinis • Sertifikatnummer	4117927-14



## ERKLÆRING

Partly completed machinery must not be put into service until the final machinery into which it is to be incorporated has been declared in conformity with the provisions of Directive 2006/42/EC. Частично завършените машини не трябва да бъдат пускани в употреба, докато крайните машини, в които са вградени, не са приведени в съответствие с постановленията на директивата 2006/42/ЕО. Častočné dokončené zařízení nesmí být uvedeno do provozu, dokud konečné zařízením, do kterého bylo uvedené zařízením namontováno, neodpovídá ustanovením Směrnice č. 2006/42/EC. Delvisl fremstilte maskiner må ikke indsættes i driften, før den endelige maskine, som den skal inkorporeres i, er blevet erklæret i overensstemmelse med bestemmelserne i Direktiv 2006/42/EF. Gedeeltelijk volttooidde machinerie mag niet in dienst worden genomen, totdat er voor de definitieve machinerie, waarvan gedeeltelijk volttooidde machinerie onderdeel uitmaakt, een conformiteitsverklaring is ontvangen onder de voorwaarden van Richtlijn 2006/42/EG. Osaaliselt komplekteeritud masinat ei tohi kasutusele võtta enne, kui lõplikult komplekteeritud masin, millega see ühendatakse, on tunnustatud direktiivi 2006/42/EÜ sätetele vastavaks.	
Osittain kootua laitteistoa ei saa ottaa käyttöön, ennen kuin lopullinen laitteisto, johon se asennetaan, on vakuutettu direktiivin 2006/42/EY säännösten mukaisesti. La quasi-machine ne doit pas être mise en service avant que la machine finale dans laquelle elle doit être incorporée n'ait été déclarée conforme aux dispositions de la directive 2006/42/CE. Die teilgefertigte Vorrichtung darf erst in Betrieb genommen werden, wenn die Konformität der Maschine, in die sie eingebaut wird, entsprechend den Bestimmungen der Richtlinie 2006/42/EG erklärt worden ist. Θα πρέπει να εκτελεστεί στέβρις στο ημιτελές μηχανήμα μέχρι το τελικό μηχανήμα στο οποίο θα ενσωματωθεί να έχει τη δήλωση συμμόρφωσης σύμφωνα με τις διατάξεις της Οδηγίας 2006/42/ΕΚ. A részlegesen megépített gépet tilos üzembe helyezni mindaddig, amíg a 2006/42/EK irányelv rendelkezéseivel összhangban a részlegesen megépített gépet be nem építik a végleges változatba, és erről nem nyilatkoznak. La quasi-machina non deve essere messa in servizio finché la macchina finale in cui deve essere incorporata non è stata dichiarata conforme, nel caso, alle disposizioni della Direttiva 2006/42/CE. Dalejší pabeigtu iekārtu nedrīkst nodot ekspluatācijā, līdz galīgā iekārtā, kurā tā ir jāiebūvē, ir deklarēta atbilstoši direktīvas Nr. 2006/42/EK noteikumiem. Dalinai uzbaužito mechanizmo paleisti kol kiti mehanizmai, kurie dar bus prijungti, nebus patvirtinti kaip atitinkantys 2006/42/EC Direktyvos reikalavimus. Il-makkinarju li jkun parzjalmet test ma għandux jibda jithaddem sakemm il-makkinarju finali li fih ikun se jigi inkorporat ikun għie dkljarat konformi mad-dispozzizzjonijiet tad-Direttiva 2006/42/KE. Urządzenia częściowo ukończonego nie wolno użytkować aż do orzeczenia zgodności urządzenia w postaci kompletnej z wymaganiami dyrektywy 2006/42/WE. O equipamento parcial não poderá entrar em funcionamento antes do mecanismo final no qual vai ser incorporado ser declarado como estando em conformidade com as condições da Directiva 2006/42/CE. Echipamentul finalizat parțial nu trebuie pus în funcțiune până ce echipamentul final în care va fi încorporat nu este declarat ca fiind conform cu prevederile Directivei 2006/42/CE. Podzostava strojného zariadenia nesmie byť uvedená do prevádzky, pokiaľ finálne strojnè zariadenie, ktorého sa stane súčasťou, nebude vyhlásené ako zhodné s ustanoveniami smernice 2006/42/ES. Delno dokončanege stroja ni dovoljeno dati v obratovanje, dokler se dokončani stroj, v katerega se vgradi delno dokončani stroj, ne potrdi kot skladen z določbami Direktive 2006/42/ES. La maquinaria parcialmente completada no debe ponerse en servicio hasta que la maquinaria final a la que debe incorporarse cumpla con las provisiones de la Directiva 2006/42/CE. Maskindelama fār ej tas i bruk förrän maskinen som delen tillhör har deklarerats som överensstämmande med föreskrifterna i direktivet 2006/42/EG. Hálfsamsettan vélbúnað má ekki taka i notkun fyrr en vottað hefur verið að endanlegi vélbúnaðurinn sem setja á hann i samræmist ákvæðum tilskipunar 2006/42/EC. Delvis ferdigstilt maskineri skal ekki tas i bruk for det endelige maskineriet som dette skal integreres i, er erklært å være i overensstemmelse med bestemmelsene i direktiv 2006/42/EF.	These accessories have been designed to be fitted to the Ransomes Parkway 2250 Plus LGNN040
The place and date of the declaration • Място и дата на декларацията • Misto a datum prohlášení • Sted og dato for erklæringen • Plaats en datum van de verklaring • Deklaratsiooni väljastamise koht ja kuupäev • Vakuutuksen paikka ja päivämäärä • Lieu et date de la déclaration • Ort und Datum der Erklärung • Τόπος και ημερομηνία δήλωσης • A nyilatkozat kelte (hely és idő) • Luogo e data della dichiarazione • Deklarācijas vieta un datums • Deklarācijas vieta ir data • Il-post u d-data tad-dikjarazzjoni • Miejsce i data wydania deklaracji • Local e data da declaração • Locul și data declarărilor • Miesto a datum vyhlášení • Slovenian • Lugar y fecha de la declaración • Plats och datum för deklarationen • Staður og dagsetning yfirlýsingar • Sted og dato for erklæringen	Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT 4th January 2010
Signature of the person empowered to draw up the declaration on behalf of the manufacturer, holds the technical documentation and is authorised to compile the technical file, and who is established in the Community. Подпис на човека, упълномощен да състави декларацията от името на производителя, който поддържа техническата документация и е оторизиран да изготви техническия файл и е регистриран в общността. Podpis osoby oprávněné sestavit prohlášení jménem výrobce, držet technickou dokumentaci a osoby oprávněné sestavit technické soubory a založené v rámci Evropského společenství. Underskrift af personen, der har fuldmagt til at udarbejde erklæringen på vegne af producenten, der er indehaver af dokumentationen og er bemyndiget til at udarbejde den tekniske journal, og som er baseret på stedet. Handtekening van de persoon die bevoegd is de verklaring namens de fabrikant te tekenen, de technische documentatie bewaart en bevoegd is om het technische bestand samen te stellen, en die is gevestigd in het Woongebied. Ühenduse registreisse kantud isiku allkiri, kes on volitatud tootja nimel deklaratsiooni koostama, kes omab tehnilist dokumentatsiooni ja kellel on õigus koostada tehniline toimik. Sen henkilon allekirjotus, jolla on valmistajan valtuutus vakuutuksen laadintaan, jolla on hallussaan tekniset asiakirjat, joka on valtuutettu laatimaan tekniset asiakirjat ja joka on sijoittautunut yhteisöön. Signature de la personne habilitée à rédiger la déclaration au nom du fabricant, à détenir la documentation technique, à compiler les fichiers techniques et qui est implantée dans la Communauté. Unterschrift der Person, die berechtigt ist, die Erklärung im Namen des Herstellers abzugeben, die die technischen Unterlagen aufbewahrt und berechtigt ist, die technischen Unterlagen zusammenzustellen, und die in der Gemeinschaft niedergelassen ist. Υπογραφή στόμου εξουσιοδοτημένου για την σύνταξη της δήλωσης εκ μέρους του κατασκευαστή, ο οποίος κατέχει την τεχνική έκθεση και έχει την εξουσιοδότηση να ταξινομήσει τον τεχνικό φάκελο και ο οποίος είναι διορισμένος στην Κοινότητα. A gyártó nevében meghatalmazott személy, akinek jogában áll módosítani a nyilatkozatot, a műszaki dokumentációt őriz, engedéllyel rendelkezik a műszaki fájel összeállításához és a közöseségen letelepedett személy. Firma della persona autorizzata a redigere la dichiarazione a nome del fabbricante, in possesso della documentazione tecnica ed autorizzata a costituire il fascicolo tecnico, che deve essere stabilita nella Comunità. Tās personas paraksts, kura ir pilnvarota deklarācijas sastādīšanai ražotāja vārdā, kurai ir tehniskā dokumentācija, kura ir pilnvarota sagatavot tehnisko reģistru un kura ir apstiprināta Kopienā. Asmuo, kuris yra gana žinomas, kuriam gamintojas suteikė įgaliojimus sudaryti šią deklaraciją, ir kuris į ją pasirašė, turi visą techninę informaciją ir yra įgaliotas sudaryti techninės informacijos dokumentą. Il-firma tal-persuna awtorizzata li fttasall id-dikjarazzjoni f'isem il-fabbrikant, għandha d-dokumentazzjoni teknika u hija awtorizzata li tikkompila l-fajel tekniku u li hija stabbilita fil-Komunità. Podpis osoby upoważnionej do sporządzenia deklaracji w imieniu producenta, przechowującej dokumentację techniczną, upoważnionej do stworzenia dokumentacji technicznej oraz wyznaczającej ds. wspólnotowych. Assinatura da pessoa com poderes para emitir a declaração em nome do fabricante, que possui a documentação técnica, que está autorizada a compilar o processo técnico e que está estabelecida na Comunidade. Semnătura persoanei împuternicite să elaboreze declarația în numele producătorului, care deține documentația tehnică, este autorizată să compileze dosarul tehnic și este stabilită în Comunitate. Podpis osoby poverenej vystavením vyhlásenia v mene výrobcu, ktorá má technickú dokumentáciu a je oprávnená spracovať technické podklady a ktorá je umiestnená v Spoločenstve. Podpis osebe, pooblašene za izdelavo izjave v imenu proizvajalca, ki ima tehnično dokumentacijo in lahko sestavlja spis tehnične dokumentacije, ter ima sedež v Skupnosti. Firma de la persona responsable de la declaración en nombre del fabricante, que posee la documentación técnica y está autorizada para recopilar el archivo técnico y que está establecido en la Comunidad. Underteknas av någon som bemyndigad att upprätta deklarationen å tillverkarens vägnar, innehar den tekniska dokumentationen och är bemyndigad att sammanställa den tekniska informationen och som är etablerad i gemenskapen. Undirskrift aðilans sem hefur umboð til að gera yfirlýsinguna fyrir hönd framleiðandans, hefur undir höndum tæknigögnin og hefur leyfi til að taka saman tækniskýrsluna, og er vörðkendur innan evrópska efnahagsvæðisins. Signatøren til personen som har fullmakt til å utferdigge erklæringen på vegne av produsenten, er i besittelse av den tekniske dokumentasjonen, har autorisasjon til å utarbeide den tekniske filen og som har tilhold i EU.	  Tim Lansdell Technical Director 4th January 2010 Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT
Certificate Number • Номер на сертификата • Číslo osvědčení • Certifikatnummer • Certificaatnummer • Sertifiikaadi number • Hyväksyntänumero • Número de certificat • Beschreibungsnummer • Αριθμός Πιστοποιητικού • Hitelesítési szám • Numero del certificato • Sertifikata numurs • Sertifikato numeris • Nummer tač-Certifikat • Numer certyfikatu • Número do Certificado • Număr certificat • Číslo osvedčenia • Številka certifikata • Número de certificado • Certifikatsnummer • Númer skírteinis • Sertifikatnummer	PW2250WB-Incorp-r3



DECLARATION OF CONFORMITY • ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ • PROHLÁŠENÍ O SHODĚ •  
OVERENSSTEMMELSESERKLÆRING • CONFORMITEITSVERKLARING • VASTAVUSDEKLARATSIOON •  
VAATIMUSTENMUKAISUUSVAKUUTUS • DECLARATION DE CONFORMITE • KONFORMITÄTSERKLÄRUNG • ΔΗΛΩΣΗ  
ΣΥΜΜΟΡΦΩΣΗΣ • MEGFELELŐSÉGI NYILATKOZAT • DICHIARAZIONE DI CONFORMITÀ • ATBILSTĪBAS DEKLARĀCIJA •  
ATITIKTIES DEKLARACIJA • DIKJARAZZJONI TAL-KONFORMITÀ • DEKLARACJA ZGODNOŚCI • DECLARAÇÃO DE  
CONFORMIDADE • DECLARAȚIE DE CONFORMITATE • VYHLÁŠENIE O ZHODE • IZJAVA O SKLADNOSTI • DECLARACIÓN DE  
CONFORMIDAD • DEKLARATION OM ÖVERENSSTÄMMELSE • SAMRÆMISYFIRLÝSING • KONFORMITETSERKLÆRING

Business name and full address of the manufacturer • Търговско име и пълен адрес на производителя • Obchodní jméno a plná adresa výrobce • Producentens firmanavn og fulde adresse • Bedrijfsnaam en volledige adres van de fabrikant • Tootja ärinimi ja täielik address • Valmistajan toiminimi ja täydellinen osoite • Nom commercial et adresse complète du fabricant • Firmennamen und vollständige Adresse des Herstellers • Εταιρεία και ταχυδρομική διεύθυνση κατασκευαστή • A gyártó üzleti neve és teljes címe • Ragione sociale e indirizzo completo del fabbricante • Uzņēmuma nosaukums un pilna ražotāja adrese • Verslo pavadinimas ir pilnas gamintojo adresas • Isem kummerčali u indirizz shih tal-fabbrikant • Nazwa firmy i pełny adres producenta • Nome da empresa e endereço completo do fabricante • Denumirea comercială și adresa completă a producătorului • Obchodný názov a úplná adresa výrobcu • Naziv podjetja in polni naslov proizvajalca • Nombre de la empresa y dirección completa del fabricante • Tillverkarens företagsnamn och kompletta adress • Fyrirtækishelti og fullt heimilisfang framleiðanda • Firmanavn og full adresse for produsenten	Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT
Product Code • Код на продукта • Kód výrobku • Produktkode • Productcode • Toote kood • Tuotekoodi • Code produit • Produktcode • Κωδικός προϊόντος • Termékkód • Codice prodotto • Produkta kods • Produktu kods • Kodici tal-Prodott • Kod produktu • Código do Produto • Cod produs • Kód výrobku • Oznaka proizvoda • Código de producto • Produktkod • Vörunúmer • Produktkode	LMAC323
Machine Name • Наименование на машината • Název stroje • Maskinnavn • Machinenam • Masina nimi • Laitteen nimi • Nom de la machine • Maschinenbezeichnung • Όνομασία μηχανήματος • Gégnév • Denominazione della macchina • Iekārtas nosaukums • Mašinos pavadinimas • Isem tal-Magna • Nazwa urządzenia • Nome da Máquina • Numele echipamentului • Název stroja • Naziv stroja • Nombre de la máquina • Maskinens namn • Helti tækis • Maskinnavn	Ransomes Highway 2130 & Parkway 2250+ ROPS Frame
Designation • Предназначение • Označení • Betegnelse • Benaming • Nimetus • Typpimerkintä • Pažymėjimas • Bezeichnung • Χαρακτηρισμός • Megnevezés • Funzione • Apzīmējums • Lithuanian • Denominazzjoni • Oznaczenie • Designação • Specificație • Označenie • Namen stroja • Descripción • Beteckning • Merking • Konstrukjon	ROPS Frame
Serial Number • Серийн номер • Sériové číslo • Seriennummer • Seriennummer • Seerianumber • Valmistusnumero • Numéro de série • Seriennummer • Σειριακός αριθμός • Sorozatszám • Numero di serie • Sérijas numurs • Serijos numeris • Numru Serjali • Numer seryjny • Número de Série • Număr de serie • Sériové číslo • Serijska številka • Número de serie • Seriennummer • Raðnúmer • Seriennummer	Not Applicable
Engine • Двигател • Motor • Motor • Motor • Mootor • Mootori • Moteur • Motor • Μηχανή • Modulnév • Motore • Dzinējs • Variklis • Sahha Netta Installata • Silnik • Motor • Motor • Motor • Motor • Motor • Motor • Vél • Motor	Not Applicable
Net Installed Power • Нетна инсталирана мощност • Čistý instalovaný výkon • Installeret nettoeffekt • Netto geïnstalleerd vermogen • Installeeritud netovõimsus • Asennettu nettoteho • Puissance nominale nette • Installierte Nettoleistung • Καθαρή εγκατεστημένη ισχύς • Nettó beépített teljesítmény • Potenza netta installata • Paredzētā tīkla jauda • Grynoji galia • Wisa' tal-Qtugh • Moc zainstalowana netto • Potência instalada • Puterea instalată netă • Čistý instalovaný výkon • Neto vgrajena moč • Potencia instalada neta • Nettoeffekt • Nettöäfi välar • Netto installer kraft	Not Applicable
Cutting Width • Широчина на разане • Šírka fezu • Skærebredde • Maalbreedte • Löikelaius • Leikkuleveys • Largeur de coupe • Schnittbreite • Μήκος μανέζας • Vágási szélesség • Larghezza di taglio • Grietasnas platums • Pjovimo plotis • Tikkonforma mad-Direttivi • Szerokość cięcia • Largura de Corte • Lățimea de tăiere • Šírka záberu • Širina reza • Anchura de corte • Klippbredd • Skurðbreidd • Klippebredd	Not Applicable
Conforms to Directives • В съответствие с директивите • Splňuje podmínky směrnice • Er i overensstemmelse med direktiver • Voldoet aan de richtlijnen • Vastab direktiividele • Direktiven mukainen • Conforme aux directives • Entspricht Richtlinien • Ακολουθώ τις Οδηγίες • Megfelel az irányelveknek • Conforme alle Direttive • Atbilst direktīvām • Atitinka direktyvų reikalavimus • Valutazzjoni tal-Konformità • Dyrektywy związane • Cumpre as Directivas • Respectă Directivele • Je v súlade so smernicami • Skladnost z direktivami • Cuple con las Directivas • Uppfyller direktiv • Samræmist tilskipunum • I samsvar med direktiv	2006/42/EC
Conformity Assessment • Оценка за съответствие • Hodnocení plnění podmínek • Overensstemmelsesvurdering • Conformiteitsbeoordeling • Vastavushindamine • Vaatimustenmukaisuuden arviointi • Evaluation de conformité • Konformitätsbeurteilung • Διαπίστωση Συμμόρφωσης • Megfelelőség-értékelés • Valutazione della conformità • Atbilstības novērtējums • Atitikties įvertinimas • Livell tal-Qawwa tal-Foss Imkejjel • Ocena zgodności • Avaliação de Conformidade • Evaluarea conformității • Vyhodnotenie zhodnosti • Ocena skladnosti • Evaluación de conformidad • Bedömning av överensstämmelse • Samræmistat • Konformitetsvurdering	2006/42/EC Annex VIII
Measured Sound Power Level • Измерено ниво на звукова мощност • Naměřený akustický výkon • Målte lydstyrkeniveau • Gemeten geluidsniveau • Mõõdetud helivõimsuse tase • Mitattu äänitehotaso • Niveau de puissance sonore mesuré • Gemessener Schalldruckpegel • Στοιχισμένο επίπεδο ηχητικής ισχύος • Mért hangteljesítményszint • Livello di potenza sonora misurato • Izmērtais skaņas jaudas līmenis • Išmatuotas garso stiprumo lygis • Livell tal-Qawwa tal-Foss Iggarantit • Moc akustyczna mierzona • Nivel sonoro medido • Nivelul măsurat al puterii acustice • Nameraná hladina akustického výkonu • Izmerjena raven zvočne moči • Nivel de potencia sonora medido • Uppmätt ljudeffektsnivå • Mælt hljóðfallstig • Målt lydeffektivité	Not Applicable
Guaranteed Sound Power Level • Гарантирано ниво на звукова мощност • Garantovaný akustický výkon • Garanteret lydstyrkeniveau • Gegarandeerd geluidsniveau • Garanteert helivõimsuse tase • Taattu äänitehotaso • Niveau de puissance sonore garanti • Garanterter Schalldruckpegel • Εγγυημένο επίπεδο ηχητικής ισχύος • Szavatolt hangteljesítményszint • Livello di potenza sonora garantito • Garantētais skaņas jaudas līmenis • Garantuotas garso stiprumo lygis • Livell tal-Qawwa tal-Foss Iggarantit • Moc akustyczna gwarantowana • Nivel sonoro garantido • Nivelul garantat al puterii acustice • Garantovaná hladina akustického výkonu • Zajamčena raven zvočne moči • Nivel de potencia sonora garantizado • Garanterad ljudeffektsnivå • Hljóðfallstig sem ábyrgð er tekin á • Garanter lydeffektivité	Not Applicable
Conformity Assessment Procedure (Noise) • Оценка за съответствие на процедурата (Шум) • Postup hodnocení plnění podmínek (hluk) • Procedure for overensstemmelsesvurdering (Støj) • Procedure van de conformiteitsbeoordeling (geluid) • Vastavushindamismenetlus (müra) • Vaatimustenmukaisuuden arviointimenetely (Melu) • Procédure d'évaluation de conformité (bruit) • Konformitätsbeurteilungsverfahren (Geräusch) • Διαδικασία Αξιολόγησης Συμμόρφωσης (Θόρυβος) • Megfelelőség-értékelési eljárás (Zaj) • Procedura di valutazione della conformità (rumore) • Atbilstības novērtējuma procedūra (troksnis) • Atitikties įvertinimo procedūra (garsas) • Procedura tal-Valutazzjoni tal-Konformità (Hoss) • Procedura oceny zgodności (poziom hałas) • Processo de avaliação de conformidade (nivel sonoro) • Procedura de evaluate a conformității (zgomot) • Postup vyhodnocovania zhodnosti (hluk) • Postopek za ugotavljanje skladnosti (hrup) • Procedimiento de evaluación de conformidad (ruido) • Procedur för bedömning av överensstämmelse (buller) • Samræmismatsaðferð (hávaði) • Prosedyre for konformitetsvurdering (støy)	Not Applicable
UK Notified Body for 2000/14/EC • Нотифициран орган в Обединеното кралство за 2000/14/EO • Úřad certifikovaný podle směrnice č. 2000/14/EC • Det britiske bemyndigede organ for 2001/14/EF • Engels adviesorgaan voor 2000/14/EG • Ühendkuningriigi teavitatud asutus direktiivi 2000/14/EÜ mõistes • Direktiivin 2000/14/EY mukainen ilmoitettu tarkastuslaitos Isossa-Britanniassa • Organisme notifié concernant la directive 2000/14/CE • Britische benannte Stelle für 2000/14/EG • Κοινοτομημένος Οργανισμός Ηνωμένου Βασιλείου για 2000/14/EK • 2000/14/EK – egyesült királyságbeli bejelentett szervezet • Organismo Notificato in GB per 2000/14/CE • 2000/14/EK AK regisztrált organizáció • JK notifikuotosios įstaigos 2000/14/EC • Korp Notifikat tar-Renju Unit għal 2000/14/KE • Dopuszczona jednostka badawcza w Wielkiej Brytanii wg 2000/14/WE • Entidade notificada no Reino Unido para 2000/14/CE • Organism notificat în Marea Britanie pentru 2000/14/CE • Notifikovaný orgán Spojeného královstva pre smernicu 2000/14/ES • Britanski prijavljeni organ za 2000/14/ES • Cuerpo notificado en el Reino Unido para 2000/14/CE • Anmält organ för 2000/14/EG i Storbritannien • Tilkynntur aðili í Bretlandi fyrir 2000/14/EC • Britisk teknisk for 2000/14/EF	Number: 1088 Sound Research Laboratories Limited Holbrook House, Little Walsingham Sudbury, Suffolk CO10 0TH

Operator Ear Noise Level • Оператор на нивото на доловим от ухото шум • Hladina hluku v oblasti uší operátora • Støjniveau i forers ørehøjde • Geluidsniveau oor bestuurder • Műratase operátori kõrvas • Melutasa käyttäjän korvan kohdalla • Niveau de bruit à hauteur des oreilles de l'opérateur • Schallpegel am Bedienerohr • Επίπεδο θορύβου σε λειτουργία • A kezelő fülénél mért zajszint • Livello di potenza sonora all'orecchio dell'operatore • Trokšņa līmenis pie operatora auss • Dirbančiojo su mašina patiriamo triukšmo lygis • Livell tal-Hoss fil-Widna tal-Operator • Dopuszczalny poziom hałasu dla operatora • Nível sonoro nos ouvidos do operador • Nivelul zgomotului la urechea operatorului • Hladina hluku pôsobiacia na sluch operátora • Raven hrupa pri úsehu upravljalca • Nível sonoro en el oído del operador • Ljudnivå vid förarens öra • Hávabastig fyrir stjórnanda • Støynivå ved operatørens øre	Not Applicable
Harmonised standards used • Използвани хармонизирани стандарти • Použité harmonizované normy • Brugte harmoniserede standarder • Gebruikte geharmoniseerde standaards • Kasutatud ühtlustatud standardid • Käytetyt yhdenmukaistetut standardit • Normes harmonisées utilisées • Angewandte harmonisierte Normen • Εναρμονισμένα πρότυπα που χρησιμοποιήθηκαν • Harmonizált szabványok • Standard armonizzati applicati • Izmantotie saskarotie standarti • Panaudoti suderinti standartai • Standards armonizzati usati • Normy spoĳne powiązane • Normas harmonizadas usadas • Standardele armonizate utilizate • Použité harmonizované normy • Uporabljeni usklajeni standardi • Estándares armonizados utilizados • Harmoniserade standarder som används	EN 836:1987
Technical standards and specifications used • Използвани технически стандарти и спецификации • Použité technické normy a specifikace • Brugte tekniske standarder og specifikationer • Gebruikte technische standaards en specificaties • Kasutatud tehnilised standardid ja spetsifikatsioonid • Käytetyt tekniset standardit ja eritelmät • Spécifications et normes techniques utilisées • Angewandte technische Normen und Spezifikationen • Τεχνικά πρότυπα και προδιαγραφές που χρησιμοποιήθηκαν • Műszaki szabványok és specifikációk • Standard tecnici e specifiche applicati • Izmantotie tehniskie standarti un specifikācijas • Panaudoti techniniai standartai ir techninė informacija • Standards u specifikazzjonijiet tehnici užati • Normy i specyfikacje techniczne powiązane • Normas técnicas e especificações usadas • Standardele tehnice și specificațiile utilizate • Použité technické normy a specifikácie • Uporabljeni tehnični standardi in specifikacije • Estándares y especificaciones técnicas utilizadas • Tekniska standarder och specifikationer som används • Samræmdir staðlar sem notaðir eru • Benyttede harmoniserete standarder	OECD Code 4 ROPS Static Test (Report No. N950/08/14014)
The place and date of the declaration • Място и дата на декларацията • Misto a datum prohlášení • Sted og dato for erklæringen • Plaats en datum van de verklaring • Deklaratsiooni väljastamise koht ja kuupäev • Vakuutuksen paikka ja päivämäärä • Lieu et date de la déclaration • Ort und Datum der Erklärung • Τόπος και ημερομηνία δήλωσης • A nyilatkozat kelte (hely és idő) • Luogo e data della dichiarazione • Deklarācijas vieta un datums • Deklaracijos vieta ir data • Il-post u d-data tad-dikjarazzjoni • Miejsce i data wystawienia deklaracji • Local e data da declaração • Locul și data declarației • Miesto a dátum vyhlásenia • Kraj in datum izjave • Lugar y fecha de la declaración • Plats och datum för deklarationen • Tæknistaðlar og tæknilysingar sem notaðar eru • Benyttede tekniske standarder og spesifikasjoner • Staður og dagsetning yfirlýsingar • Sted og dato for erklæringen	Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT 4th January 2010
Signature of the person empowered to draw up the declaration on behalf of the manufacturer, holds the technical documentation and is authorised to compile the technical file, and who is established in the Community. Подпис на човека, упълномощен да състави декларацията от името на производителя, който поддържа техническата документация и е отговорен да изготви техническия файл и е регистриран в общността. Podpis osoby oprávněné sestavit prohlášení jménem výrobce, držet technickou dokumentaci a osoby oprávněné sestavit technické soubory a založené v rámci Evropského společenství. Underskrift af personen, der har fuldmagt til at udarbejde erklæringen på vegne af producenten, der er indehaver af dokumentationen og er bemyndiget til at udarbejde den tekniske journal, og som er baseret i nærområdet. Handtekening van de persoon die bevoegd is de verklaring namens de fabrikant te tekenen, de technische documentatie bewaart en bevoegd is om het technische bestand samen te stellen, en die is gevestigd in het Woongebied. Ühenduse registreeris kantud isku allkirj, kes on volitatud tootja nimel deklaratsiooni koostama, kes omab tehnilist dokumentatsiooni ja kellel on õigus koostada tehnilise toime. Sen henkilöön allekirjoitus, jolla on valmistajan valtuutus vakuutuksen laadintaan, jolla on hallussaan tekniset asiakirjat, joka on valtuutettu laatimaan tekniset asiakirjat ja joka on sijoittautunut yhteisöön. Signature de la personne habilitée à rédiger la déclaration au nom du fabricant, à détenir la documentation technique, à compiler les fichiers techniques et qui est implantée dans la Communauté. Unterschrift der Person, die berechtigt ist, die Erklärung im Namen des Herstellers abzugeben, die die technischen Unterlagen aufbewahrt und berechtigt ist, die technischen Unterlagen zusammenzustellen, und die in der Gemeinschaft niedergelassen ist. Υπογραφή ατόμου εξουσιοδοτημένου για την σύνταξη της δήλωσης εκ μέρους του κατασκευαστή, ο οποίος κατέχει την τεχνική έκθεση και έχει την εξουσιοδότηση να ταξινομήσει τον τεχνικό φάκελο και ο οποίος είναι διαρισμένος στην Κοινότητα. A gyártó nevében meghatalmazott személy, akinek jogában áll módosítani a nyilatkozatot, a műszaki dokumentációt őrizi, engedéllyel rendelkezik a műszaki fáj összeállításához, és aki a közösségben letelepedett személy. Firma della persona autorizzata a redigere la dichiarazione a nome del fabbricante, in possesso della documentazione tecnica ed autorizzata a costituire il fascicolo tecnico, che deve essere stabilita nella Comunità. Tās personas paraksts, kura ir pilnvarota deklarācijas sastādīšanai ražotāja vārdā, kura ir tehniskā dokumentācija, kura ir pilnvarota sagatavot tehnisko reģistru un kura ir apstiprināta Kopienā. Asmuo, kuris yra gana žinomas, kuriam gamintojas suteikė įgaliojimus sudaryti šią deklaraciją, ir kuris ją pasirašė, turi visą techninę informaciją ir yra įgaliojamas sudaryti techninės informacijos dokumentą. Il-firma tal-persuna awtorizzata li tfassal id-dikjarazzjoni f'isem il-fabrikant, għandha d-dokumentazzjoni teknika u hija awtorizzata li tikkompila l-fajj tekniku u li hija stabbilita fil-Komunità. Podpis osoby upoważnionej do sporządzenia deklaracji w imieniu producenta, przechowującej dokumentację techniczną, upoważnioną do stworzenia dokumentacji technicznej oraz wyznaczonej ds. wspólnotowych. Assinatura da pessoa com poderes para emitir a declaração em nome do fabricante, que possui a documentação técnica, que está autorizada a compilar o processo técnico e que está estabelecida na Comunidade. Semnătura persoanei împuternicite să elaboreze declarația în numele producătorului, care deține documentația tehnică, este autorizată să compileze dosarul tehnic și este stabilită în Comunitate. Podpis osoby poverenej vystavením vyhlásenia v mene výrobcu, ktorá má technickú dokumentáciu a je oprávnená spracovať technické podklady a ktorá je umiestnená v Spoločenstve. Podpis osebe, pooblaščené za izdelavo izjave v imenu proizvajalca, ki ima tehnično dokumentacijo in lahko sestavlja spis tehnične dokumentacije, ter ima sedež v Skupnosti. Firma de la persona responsable de la declaración en nombre del fabricante, que posee la documentación técnica y está autorizada para recopilar el archivo técnico y que está establecido en la Comunidad. Undertecknas av den som bemyndigad att upprätta deklarationen i tillverkarens vägnar, innehar den tekniska dokumentationen och är bemyndigad att sammanställa den tekniska informationen och som är etablerad i gemenskapen. Underskrift abläns sem hefur umboð til að gera yfirlýsinguna fyrir hönd framleiðandans, hefur undir höndum tekniðgögn og hefur leyfi til að taka saman tekniskýrsluna, og er víðurkendir innan evrópska efnahagssvæðisins. Signaturen til personen som har fuldmagt til å udfærdige erklæringen på vegne af producenten, er i besiddelse af den tekniske dokumentationen, har autorisasjon til å utarbeide den tekniske filen og som har tilhold i EU.	 Tim Lansdell Technical Director 4th January 2010 Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT
Certificate Number • Номер на сертификат • Číslo osvědčení • Certifikatnummer • Certificaatnummer • Sertifikaadi number • Hyväksyntänumero • Numéro de certificat • Bescheinigungsnummer • Αριθμός Πιστοποιητικού • Hitelesítési szám • Numero del certificato • Sertifikáta numurs • Sertifikata numeris • Numru tač-Certifikat • Numer certifikatu • Número do Certificado • Număr certificat • Číslo osvedčenia • Številka certifikata • Número de certificado • Certifikatsnummer • Númer skirteinis • Sertifikatnummer	4180920-1

GB  
United KingdomBG  
BulgariaCH  
SwitzerlandCZ  
Czech RepublicDK  
DenmarkNL  
NetherlandsEE  
EstoniaES  
SpainFI  
FinlandFR  
FranceDE  
GermanyGR  
GreeceHU  
HungaryIS  
IcelandIT  
ItalyLI  
LiechtensteinLV  
LatviaLT  
LithuaniaMT  
MaltaNO  
NorwayPL  
PolandPT  
PortugalRO  
RomaniaSE  
SwedenSK  
SlovakiaSI  
Slovenia

**DECLARATION OF CONFORMITY • ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ • PROHLÁŠENÍ O SHODĚ •  
OVERENSSTEMMELSESERKLÆRING • KONFORMITEITSVERKLARING • VASTAVUSDEKLARATSIOON •  
VAATIMUSTENMUKAISUUSVAKUUTUS • DECLARATION DE CONFORMITE • KONFORMITÄTSERKLÄRUNG • ΔΗΛΩΣΗ  
ΣΥΜΜΟΡΦΩΣΗΣ • MEGFELELŐSÉGI NYILATKOZAT • DICHIARAZIONE DI CONFORMITÀ • ATBILSTĪBAS DEKLARĀCIJA •  
ATITIKTIES DEKLARACIJA • DIKJARAZZJONI TAL-KONFORMITÀ • DEKLARACJA ZGODNOŚCI • DECLARAÇÃO DE  
CONFORMIDADE • DECLARAȚIE DE CONFORMITATE • VYHLÁSENIE O ZHODE • IZJAVA O SKLADNOSTI • DECLARACIÓN DE  
CONFORMIDAD • DEKLARATION OM ÖVERENSSTÄMMELSE • SAMRÆMISYFIRLÝSING • KONFORMITETSERKLÆRING**

Business name and full address of the manufacturer • Търговско име и пълен адрес на производителя • Obchodní jméno a plná adresa výrobce • Producentens firmanavn og fulde adresse • Bedrijfsnaam en volledige adres van de fabrikant • Tootja ärinimi ja täielik address • Valmistajan toiminimi ja täydellinen osoite • Nom commercial et adresse complète du fabricant • Firmennamen und vollständige Adresse des Herstellers • Εταιρεία και ταχυδρομική διεύθυνση κατασκευαστή • A gyártó üzleti neve és teljes címe • Ragione sociale e indirizzo completo del fabbricante • Uzņēmuma nosaukums un pilna ražotāja adrese • Verslo pavadinimas ir pilnas gamintojo adresas • Isem kummerčali u indirizz shih tal-fabbrikant • Nazwa firmy i pełny adres producenta • Nome da empresa e endereço completo do fabricante • Denumirea comercială și adresa completă a producătorului • Obchodný názov a úplná adresa výrobcu • Naziv podjetja in polni naslov proizvajalca • Nombre de la empresa y dirección completa del fabricante • Tillverkarens företagsnamn och kompletta adress • Fyrirtækishelti og fullt heimilisfang framleiðanda • Firmanavn og full adresse for produsenten	Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT
--	---

Product Code • Код на продукта • Kód výrobku • Produktkode • Productcode • Toote kood • Tuotekoodi • Code produit • Produktcode • Κωδικός προϊόντος • Termékkód • Codice prodotto • Produkta kods • Produktu kods • Kodici tal-Prodott • Kod produktu • Código do Produto • Cod produs • Kód výrobku • Oznaka proizvoda • Código de producto • Produktkod • Vörunúmer • Produktkode	LMAB653 & LMAB654
Machine Name • Наименование на машината • Název stroje • Maskinnavn • Machinenam • Masina nimi • Laitteen nimi • Nom de la machine • Maschinenbezeichnung • Όνομασία μηχανήματος • Gépnév • Denominazione della macchina • Iekārtas nosaukums • Mašinos pavadinimas • Isem tal-Magna • Nazwa urządzenia • Nome da Máquina • Numele echipamentului • Název stroja • Naziv stroja • Nombre de la máquina • Maskinens namn • Heiti tækis • Maskinnavn	Ransomes Hhghway 2130 Cab Kit Ransomes Parkway 2250+ Cab Kit
Designation • Предназначение • Označení • Betegnelse • Benaming • Nimetus • Typipimekintä • Pažymėjimas • Bezeichnung • Χαρακτηρισμός • Megnevezés • Funzione • Apzīmējums • Lithuanian • Denominazzjoni • Oznaczenie • Designação • Specificație • Označenie • Namen stroja • Descripción • Beteckning • Merking • Konstrukjon	Dieteg ROPS cab and Fitting Kit
Serial Number • Серийн номер • Sériové číslo • Seriennummer • Seriennummer • Seerianumber • Valmistusnumero • Numéro de série • Seriennummer • Σειριακός αριθμός • Sorozatszám • Numero di serie • Sérijas numurs • Serijos numeris • Numru Serjali • Numer seryjny • Número de Série • Număr de serie • Sériové číslo • Serijska številka • Número de serie • Seriennummer • Račūnūmer • Seriennummer	Not Applicable
Engine • Двигател • Motor • Motor • Motor • Mootor • Mootori • Moteur • Motor • Μηχανή • Modulnév • Motore • Dzinējs • Variklis • Sahha Netta Installata • Silnik • Motor • Motor • Motor • Motor • Motor • Motor • Vél • Motor	Not Applicable
Net Installed Power • Нетна инсталирана мощност • Čistý instalovaný výkon • Installeret nettoeffekt • Netto geïnstalleerd vermogen • Installeeritud netovõimsus • Asennettu nettoteho • Puissance nominale nette • Installierte Nettoleistung • Καθαρή εγκατεστημένη ισχύς • Nettó beépített teljesítmény • Potenza netta installata • Paredzētā tīkla jauda • Grynoji galia • Wisa' tal-Qtugh • Moc zainstalowana netto • Potência instalada • Puterea instalată netă • Čistý instalovaný výkon • Neto vgrajena moč • Potencia instalada neta • Nettoeffekt • Nettöäfi välar • Netto installer kraft	Not Applicable
Cutting Width • Широчина на разъне • Šírka řezu • Skærebredde • Maalbreedte • Löikelaius • Leikkuleveys • Largeur de coupe • Schnittbreite • Μήκος μανέζας • Vágási szélesség • Larghezza di taglio • Griešanas platums • Pjovimo plotis • Tikkonforma mad-Direttivi • Szerokość cięcia • Largura de Corte • Lățimea de tăiere • Šírka záberu • Širina reza • Anchura de corte • Klippbredd • Skurðbreidd • Klippebredd	Not Applicable

Conforms to Directives • В съответствие с директивите • Splňuje podmínky směrnice • Er i overensstemmelse med direktiver • Voldoet aan de richtlijnen • Vastab direktiividele • Direktíviem mukainen • Conforme aux directives • Entspricht Richtlinien • Ακολουθώ τις Οδηγίες • Megfelel az irányelveknek • Conforme alle Direttive • Atbilst direktīvām • Atitinka direktyvų reikalavimus • Valutazzjoni tal-Konformità • Dyrektywy związane • Cumpre as Directivas • Respectă Directivele • Je v súlade so smernicami • Skladnost z direktivami • Cuple con las Directivas • Uppfyller direktiv • Samræmist tilskipunum • I samsvar med direktiv	86/298/EC
--	-----------

Conformity Assessment • Оценка за съответствие • Hodnocení plnění podmínek • Overensstemmelsesvurdering • Konformiteitsbeoordeling • Vastavushindamine • Vaatimustenmukaisuuden arviointi • Evaluation de conformité • Konformitätsbeurteilung • Διαπίστωση Συμμόρφωσης • Megfelelőség-értékelés • Valutazione della conformità • Atbilstības novērtējums • Atitikties įvertinimas • Livell tal-Qawwa tal-Foss Imkejjel • Ocena zgodności • Avaliação de Conformidade • Evaluarea conformității • Vyhodnotenie zhodnosti • Ocena skladnosti • Evaluación de conformidad • Bedömning av överensstämmelse • Samræmistat • Konformitetsvurdering	2006/42/EC Annex VIII
--	-----------------------

Measured Sound Power Level • Измерено ниво на звукова мощност • Naměřený akustický výkon • Målte lydstyrkeniveau • Gemeten geluidsniveau • Mõõdetud heli võimsuse tase • Mitattu äänitehotaso • Niveau de puissance sonore mesuré • Gemessener Schalldruckpegel • Στοιχισμένο επίπεδο ηχητικής ισχύος • Mért hangteljesítményszint • Livello di potenza sonora misurato • Izmērtais skaņas jaudas līmenis • Išmatuotas garso stiprumo lygis • Livell tal-Qawwa tal-Foss Iggarantit • Moc akustyczna mierzona • Nivel sonoro medido • Nivelul măsurat al puterii acustice • Nameraná hladina akustického výkonu • Izmerjena raven zvočne moči • Nivel de potencia sonora medido • Uppmätt ljudeffektsnivå • Mælt hljóðfallstig • Målt lydeffektivité	Not Applicable
---	----------------

Guaranteed Sound Power Level • Гарантирано ниво на звукова мощност • Garantovaný akustický výkon • Garanteret lydstyrkeniveau • Gegarandeerd geluidsniveau • Garanteertud heli võimsuse tase • Taattu äänitehotaso • Niveau de puissance sonore garanti • Garanterter Schalldruckpegel • Εγγυημένο επίπεδο ηχητικής ισχύος • Szavatolt hangteljesítményszint • Livello di potenza sonora garantito • Garantētais skaņas jaudas līmenis • Garantuotas garso stiprumo lygis • Livell tal-Qawwa tal-Foss Iggarantit • Moc akustyczna gwarantowana • Nivel sonoro garantido • Nivelul garantat al puterii acustice • Garantovaná hladina akustického výkonu • Zajamčena raven zvočne moči • Nivel de potencia sonora garantizado • Garanterad ljudeffektsnivå • Hljóðfallstig sem ábyrgð er tekin á • Garanter lydeffektivité	Not Applicable
---	----------------

Conformity Assessment Procedure (Noise) • Оценка за съответствие на процедурата (Шум) • Postup hodnocení plnění podmínek (hluk) • Procedure for overensstemmelsesvurdering (Støj) • Procedure van de conformiteitsbeoordeling (geluid) • Vastavushindamismenetlus (müra) • Vaatimustenmukaisuuden arviointimenetely (Melu) • Procédure d'évaluation de conformité (bruit) • Konformitätsbeurteilungsverfahren (Geräusch) • Διαδικασία Αξιολόγησης Συμμόρφωσης (Θόρυβος) • Megfelelőség-értékelési eljárás (Zaj) • Procedura di valutazione della conformità (rumore) • Atbilstības novērtējuma procedūra (troksnis) • Atitikties įvertinimo procedūra (garsas) • Procedura tal-Valutazzjoni tal-Konformità (Hoss) • Procedura oceny zgodności (poziom hałas) • Processo de avaliação de conformidade (nível sonoro) • Procedura de evaluate a conformității (zgomot) • Postup vyhodnocovania zhodnosti (hluk) • Postopek za ugotavljanje skladnosti (hrup) • Procedimiento de evaluación de conformidad (ruido) • Procedur för bedömning av överensstämmelse (buller) • Samræmismatsaðferð (hávaði) • Prosedyre for konformitetsvurdering (støy)	Not Applicable
---	----------------

UK Notified Body for 2000/14/EC • Нотифициран орган в Обединеното кралство за 2000/14/EO • Úřad certifikovaný podle směrnice č. 2000/14/EC • Det britiske bemyndigede organ for 2001/14/EF • Engels adviesorgaan voor 2000/14/EG • Ühendkuningriigi teavitatud asutus direktiivi 2000/14/EÜ mõistes • Direktiivin 2000/14/EY mukainen ilmoitettu tarkastuslaitos Iossa-Britanniassa • Organisme notifié concernant la directive 2000/14/CE • Britische benannte Stelle für 2000/14/EG • Κοινοτομημένος Οργανισμός Ηνωμένου Βασιλείου για 2000/14/EK • 2000/14/EK – egyesült királyságbeli bejelentett szervezet • Organismo Notificato in GB per 2000/14/CE • 2000/14/EK AK regisztrált organizáció • JK notifikuotošios įstaigos 2000/14/EC • Korp Notifikat tar-Renju Unit għal 2000/14/KE • Dopuszczona jednostka badawcza w Wielkiej Brytanii wg 2000/14/WE • Entidade notificada no Reino Unido para 2000/14/CE • Organism notificat în Marea Britanie pentru 2000/14/CE • Notifikovaný orgán Spojeného královstva pre smernicu 2000/14/ES • Britanski prijavljeni organ za 2000/14/ES • Cuerpo notificado en el Reino Unido para 2000/14/CE • Anmält organ för 2000/14/EG i Storbritannien • Tilkynntur aðili í Bretlandi fyrir 2000/14/EC • Britisk teknisk for 2000/14/EF	Number: 1088 Sound Research Laboratories Limited Holbrook House, Little Walsingham Sudbury, Suffolk CO10 0TH
--	---

<p>Operator Ear Noise Level • Оператор на нивото на доловим от ухото шум • Hladina hluku v oblasti uší operátora • Støjniveau i forers ørehøjde • Geluidsniveau oor bestuurder • Műratase operátori kõrvvas • Melutaso käyttäjän korvan kohdalla • Niveau de bruit à hauteur des oreilles de l'opérateur • Schallpegel am Bedienerohr • Επίπεδο θορύβου σε λειτουργία • A kezelő fülénél mért zajszint • Livello di potenza sonora all'orecchio dell'operatore • Trokska límenis pie operátora auss • Dirbančiojo su mašina patiriamo triukšmo lygis • Livell tal-Hoss fil-Widna tal-Operator • Dopuszczalny poziom hałasu dla operatora • Nível sonoro nos ouvidos do operador • Nivelul zgomotului la urechea operatorului • Hladina hluku pôsobiacia na sluch operátora • Raven hrupa pri úsehu upravljalca • Nivel sonoro en el oído del operador • Ljudnivá vid förarens öra • Hávabastig fyrir stjórnanda • Støynivå ved operatørens øre</p>	88 dB(A) Leq (2006/42/EC)
<p>Harmonised standards used • Използвани хармонизирани стандарти • Použité harmonizované normy • Brugte harmoniserede standarder • Gebruikte geharmoniseerde standaards • Kasutatud ühtlustatud standardid • Käytetyt yhdenmukaistetut standardit • Normes harmonisées utilisées • Angewandte harmonisierte Normen • Εναρμονισμένα πρότυπα που χρησιμοποιήθηκαν • Harmonizált szabványok • Standard armonizzati applicati • Izmantotie saskarotie standarti • Panaudoti suderinti standartai • Standards armonizzati usati • Normy spojne powiązane • Normas harmonizadas usadas • Standardele armonizate utilizate • Použité harmonizované normy • Uporabljeni usklajeni standardi • Estándares armonizados utilizados • Harmoniserade standarder som används</p>	EN 836:1987
<p>Technical standards and specifications used • Използвани технически стандарти и спецификации • Použité technické normy a specifikace • Brugte tekniske standarder og specifikationer • Gebruikte technische standaards en specificaties • Kasutatud tehnilised standardid ja spetsifikatsioonid • Käytetyt tekniset standardit ja eritelmät • Spécifications et normes techniques utilisées • Angewandte technische Normen und Spezifikationen • Τεχνικά πρότυπα και προδιαγραφές που χρησιμοποιήθηκαν • Műszaki szabványok és specifikációk • Standard tecnici e specifiche applicati • Izmantotie tehniskie standarti un specifikačas • Panaudoti techniniai standartai ir techninė informacija • Standards u specifikazzjonijiet tehnici užati • Normy i specyfikacje techniczne powiązane • Normas técnicas e especificações usadas • Standardele tehnice și specificațiile utilizate • Použité technické normy a špecifikácie • Uporabljeni tehnični standardi in specifikacije • Estándares y especificaciones técnicas utilizadas • Tekniska standarder och specifikationer som används • Samræmdir staðlar sem notaðir eru • Benyttede harmoniserete standarder</p>	OECD Code 4 ROPS Static Test
<p>The place and date of the declaration • Място и дата на декларацията • Misto a datum prohlášení • Sted og dato for erklæringen • Plaats en datum van de verklaring • Deklaratsiooni väljastamise koht ja kuupäev • Vakuutuksen paikka ja päivämäärä • Lieu et date de la déclaration • Ort und Datum der Erklärung • Τόπος και ημερομηνία δήλωσης • A nyilatkozat kelte (hely és idő) • Luogo e data della dichiarazione • Deklarācijas vieta un datums • Deklaracijos vieta ir data • Il-post u d-data tad-dikjarazzjoni • Miejsce i data wystawienia deklaracji • Local e data da declaração • Locul și data declarației • Miesto a dátum vyhlásenia • Kraj in datum izjave • Lugar y fecha de la declaración • Plats och datum för deklarationen • Tæknistaðlar og tæknilýsingar sem notaðar eru • Benyttede tekniske standarder og spesifikasjoner • Staður og dagsetning yfirlýsingar • Sted og dato for erklæringen</p>	<p>Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT 4th January 2010</p>
<p>Signature of the person empowered to draw up the declaration on behalf of the manufacturer, holds the technical documentation and is authorised to compile the technical file, and who is established in the Community. Подпис на човека, упълномощен да състави декларацията от името на производителя, който поддържа техническата документация и е отговорен да изготви техническия файл и е регистриран в общността. Podpis osoby oprávněné sestavit prohlášení jménem výrobce, držet technickou dokumentaci a osoby oprávněné sestavit technické soubory a založené v rámci Evropského společenství. Underskrift af personen, der har fuldmagt til at udarbejde erklæringen på vegne af producenten, der er indehaver af dokumentationen og er bemyndiget til at udarbejde den tekniske journal, og som er baseret i nærområdet. Handtekening van de persoon die bevoegd is de verklaring namens de fabrikant te tekenen, de technische documentatie bewaart en bevoegd is om het technische bestand samen te stellen, en die is gevestigd in het Woongebied. Ühenduse registreeris kantud isku allkirj, kes on volitatud tootja nimel deklaratsiooni koostama, kes omab tehnilist dokumentatsiooni ja kellel on õigus koostada tehniline toimek. Sen henkilöön allekirjoitus, jolla on valmistajan valtuutus vakuutuksen laadintaan, jolla on hallussaan tekniset asiakirjat, joka on valtuutettu laatimaan tekniset asiakirjat ja joka on sijoittautunut yhteisöön. Signature de la personne habilitée à rédiger la déclaration au nom du fabricant, à détenir la documentation technique, à compiler les fichiers techniques et qui est implantée dans la Communauté. Unterschrift der Person, die berechtigt ist, die Erklärung im Namen des Herstellers abzugeben, die die technischen Unterlagen aufbewahrt und berechtigt ist, die technischen Unterlagen zusammenzustellen, und die in der Gemeinschaft niedergelassen ist. Υπογραφή ατόμου εξουσιοδοτημένου για την σύνταξη της δήλωσης εκ μέρους του κατασκευαστή, ο οποίος κατέχει την τεχνική έκθεση και έχει την εξουσιοδότηση να ταξινομήσει τον τεχνικό φάκελο και ο οποίος είναι διαρισμένος στην Κοινότητα. A gyártó nevében meghatalmazott személy, akinek jogában áll módosítani a nyilatkozatot, a műszaki dokumentációt őrzi, engedéllyel rendelkezik a műszaki fáj összeállításához, és aki a közösségben letelepedett személy. Firma della persona autorizzata a redigere la dichiarazione a nome del fabbricante, in possesso della documentazione tecnica ed autorizzata a costituire il fascicolo tecnico, che deve essere stabilita nella Comunità. Tās personas paraksts, kura ir pilnvarota deklarācijas sastādīšanai ražotāja vārdā, kurai ir tehniska dokumentācija, kura ir pilnvarota sagatavot tehnisko reģistru un kura ir apstiprināta Kopienā. Asmuo, kuris yra gana žinomas, kuriam gamintojas suteikė įgaliojimus sudaryti šią deklaraciją, ir kuris ją pasirašė, turi visą techninę informaciją ir yra įgaliojamas sudaryti techninės informacijos dokumentą. Il-firma tal-persuna awtorizzata li tfassal id-dikjarazzjoni f'isem il-fabrikant, għandha d-dokumentazzjoni teknika u hija awtorizzata li tikkompila l-fajj tekniku u li hija stabbilita fil-Komunità. Podpis osoby upoważnionej do sporządzenia deklaracji w imieniu producenta, przechowującej dokumentację techniczną, upoważnioną do stworzenia dokumentacji technicznej oraz wyznaczonej ds. wspólnotowych. Assinatura da pessoa com poderes para emitir a declaração em nome do fabricante, que possui a documentação técnica, que está autorizada a compilar o processo técnico e que está estabelecida na Comunidade. Semnătura persoanei împuternicite să elaboreze declarația în numele producătorului, care deține documentația tehnică, este autorizată să compileze dosarul tehnic și este stabilită în Comunitate. Podpis osoby poverenej vystavením vyhlásenia v mene výrobcu, ktorá má technickú dokumentáciu a je oprávnená spracovať technické podklady a ktorá je umiestnená v Spoločenstve. Podpis osebe, pooblaščen za izdelavo izjave v imenu proizvajalca, ki ima tehnično dokumentacijo in lahko sestavlja spis tehnične dokumentacije, ter ima sedež v Skupnosti. Firma de la persona responsable de la declaración en nombre del fabricante, que posee la documentación técnica y está autorizada para recopilar el archivo técnico y que está establecido en la Comunidad. Undertecknas av den som bemyndigad att upprätta deklarationen i tillverkarens vägnar, innehar den tekniska dokumentationen och är bemyndigad att sammanställa den tekniska informationen och som är etablerad i gemenskapen. Underskrift abläns sem hefur umboð til að gera yfirlýsinguna fyrir hönd framleiðandans, hefur undir höndum tekniðgögn og hefur leyfi til að taka saman tekniskýrsluna, og er víðurkendir innan evrópska efnahagssvæðisins. Signaturen til personen som har fuldmagt til å udfærdige erklæringen på vegne af producenten, er i besiddelse af den tekniske dokumentationen, har autorisasjon til å utarbeide den tekniske filen og som har tilhold i EU.</p>	  <p>Tim Lansdell Technical Director 4th January 2010 Ransomes Jacobsen Limited West Road, Ransomes Europark, Ipswich, England, IP3 9TT</p>
<p>Certificate Number • Номер на сертификат • Číslo osvědčení • Certifikatnummer • Certificaatnummer • Sertifikaadi number • Hyväksyntänumero • Numéro de certificat • Bescheinigungsnummer • Αριθμός Πιστοποιητικού • Hitelesítési szám • Numero del certificato • Sertifikáta numurs • Sertifikato numeris • Numru tač-Certifikat • Numer certifikatu • Número do Certificado • Număr certificat • Číslo osvedčenia • Številka certifikata • Número de certificado • Certifikatsnummer • Númer skirteinis • Sertifikatnummer</p>	4128577-r2

**GB**  
United Kingdom

**BG**  
Bulgaria

**CH**  
Switzerland

**CZ**  
Czech Republic

**DK**  
Denmark

**NL**  
Netherlands

**EE**  
Estonia

**ES**  
Spain

**FI**  
Finland

**FR**  
France

**DE**  
Germany

**GR**  
Greece

**HU**  
Hungary

**IS**  
Iceland

**IT**  
Italy

**LI**  
Liechtenstein

**LV**  
Latvia

**LT**  
Lithuania

**MT**  
Malta

**NO**  
Norway

**PL**  
Poland

**PT**  
Portugal

**RO**  
Romania

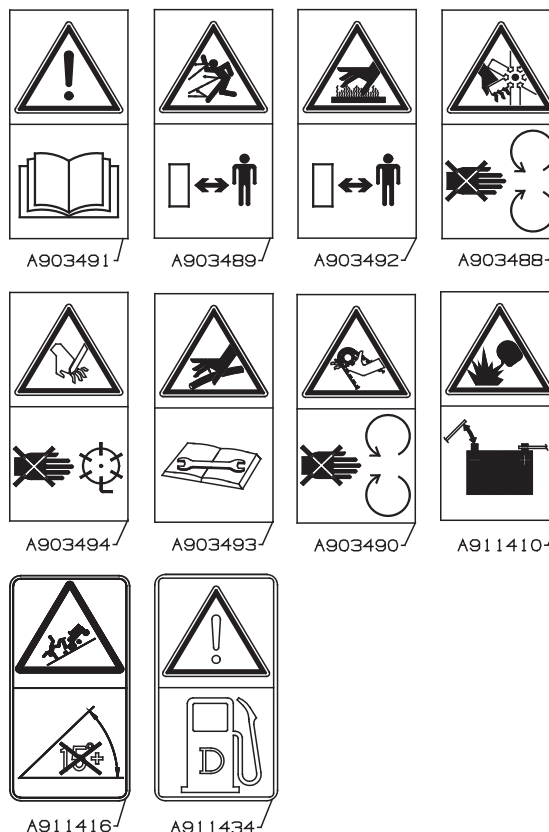
**SE**  
Sweden

**SK**  
Slovakia

**SI**  
Slovenia

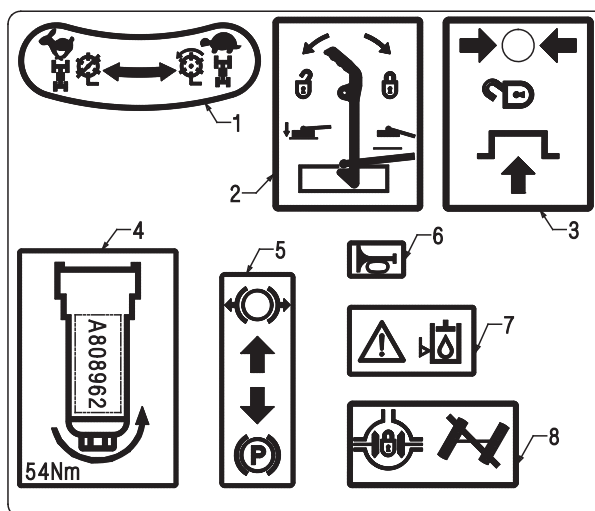
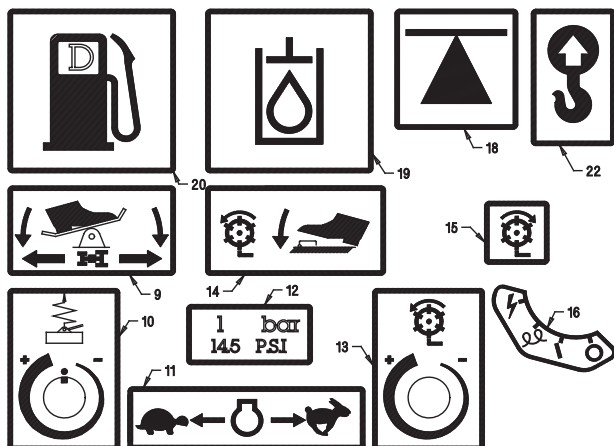
## 5.1 SAFETY DECALS

- A903491 Read Operator's Manual.
- A903489 Keep a Safe Distance from the Machine.
- A903492 Stay Clear of Hot Surfaces.
- A903488 Do Not Open or Remove Safety Shields While the Engine is Running.
- A903494 Caution Rotating Blades.
- A903493 Avoid Fluid Escaping Under Pressure. Consult Technical Manual for Service Procedures.
- A903490 Do Not Remove Safety Shields While Engine is Running.
- A911410 Danger of Explosion if the Battery Terminals are Short Circuited.
- A911416 Maximum permissible working slope.
- A911434 Caution Diesel fuel.



## 5.2 INSTRUCTION DECALS

- 1 Speed Limiter Position
- 2 Centre Cutting Unit Latch
- 3 Bonnet latch Point
- 4 Hydraulic Oil Filter
- 5 Parking Brake On/Off
- 6 Horn
- 7 Hydraulic Oil Level
- 9 Traction Foot Pedal Control
- 10 Unit Ground Weight Adjustment
- 11 Throttle Lever



- 12 Tyre pressure
- 13 Cylinder Speed Adjustment
- 14 Cylinder Engage Foot Switch
- 15 Cylinder Engage Rocker Switch
- 16 Ignition Switch
- 18 Jacking Points
- 19 Hydraulic Oil Tank
- 20 Diesel Fuel Tank
- 22 Lift Points

**6.1 STARTER KEY SWITCH**

The starter key (A) should be turned clockwise to the 'pre-heat' (No. 2) position to heat the glowplugs when the green warning lamp goes out on warning lamp display module turn the starter key clockwise to the 'start' (No. 3) position to start the engine. After starting, the key should be released and allowed to return automatically to the 'on' (No. 1) position for normal running. Where fitted the rotating beacon is turned on when the key switch is in position No. 1

**6.2 THROTTLE CONTROL LEVER**

The lever (B) should be moved away from the operator to increase the engine speed and towards the operator to decrease the engine speed.

NOTE: Engine should be used at full speed.

**6.3 STEERING WHEEL RAKE ADJUSTMENT**

The steering wheel is adjustable for rake. The clamping release knob (A) is situated on the side of the control console on the right hand side. To adjust turn the clamping knob anticlockwise to release and pivot the steering wheel backwards and forwards to obtain desired setting then lock in position by turning clamping knob clockwise.

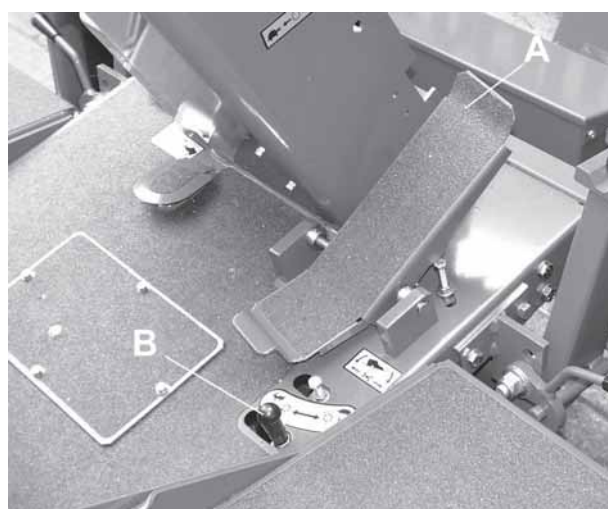
**6.4 TRACTION FOOT PEDAL**

To move the machine forward press the front of the foot pedal (A). To reverse depress the rear of the foot pedal. When the pedal is released it will return to its neutral position.

**6.5 SPEED LIMITER**

The speed limiter (B) is operated by sliding the black knob to the right or left. When slid to the right the machine is limited to cutting speed, when slid to the left, transport speed is available. In transport mode, reverse is not available. When the speed limiter is in the mow speed position four wheel drive is engaged.

**IMPORTANT:** To enable mow engage the speed limiter must be in the cutting speed position. If cutting units are rotating, moving the speed limiter between the mow and transport positions will engage and disengage cylinder rotation.



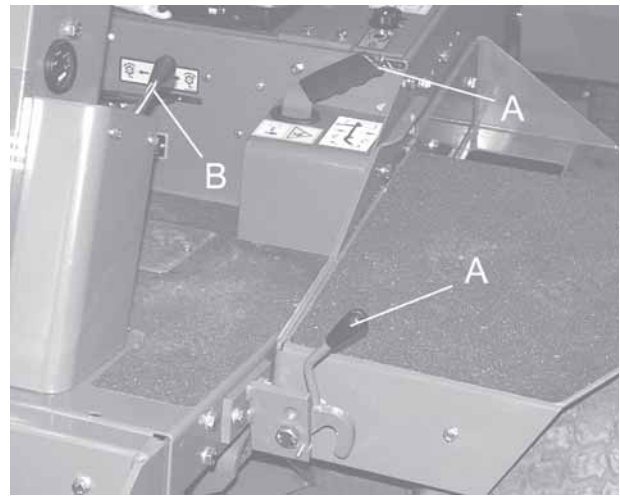
**6.6 TRANSPORT LATCHES**

When transporting the machine ensure the cutting units are raised and the transport latches (A) are engaged.

**6.7 PARKING BRAKES**

The parking brake (B) is engaged when the lever is moved toward the operator. The brake is fitted with a micro switch that sensors brake position. The brake must be applied to start the machine, and when stopping and leaving the seat.

**CAUTION:-** The parking brake must not be applied whilst the vehicle is moving.

**6.8 HYDRAULIC LIFT LEVERS**

The cutting units can be raised and lowered by three control levers (A) situated on the right hand side of the operators seat and can be operated as follows:

Centre lever controls Rear Unit No. 1

Right hand lever controls R.H. Unit No. 2

Left hand lever controls L.H. Unit No. 3

**NOTE:** If any unit is raised out of work then lowered into work again the cylinder will not rotate until the mow foot switch is depressed.

To lift: Move the lever(s) upwards and hold in position until the units are at the required height.

To lower: Move the lever(s) fully downwards and release, the unit(s) will lower to ground level. DO NOT hold lever in down position.

**NOTE:** The units will only lift and lower when the engine is running.

**IMPORTANT:** If, when cutting, a lift control lever is accidentally pulled up, the cutting units will not float over ground undulations until the lever is pushed fully down and allowed to return to neutral again.

**6.9 WEIGHT TRANSFER**

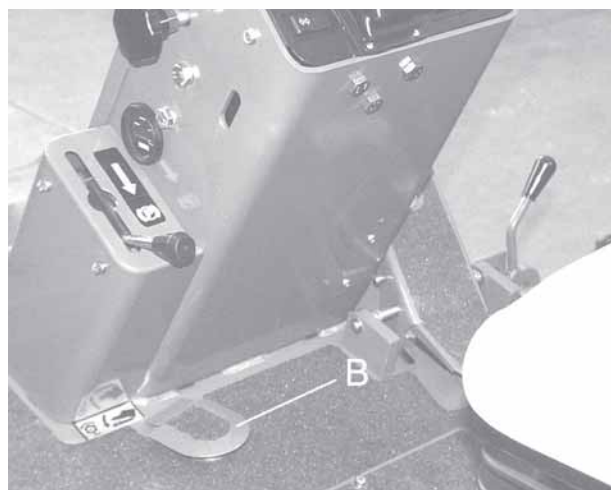
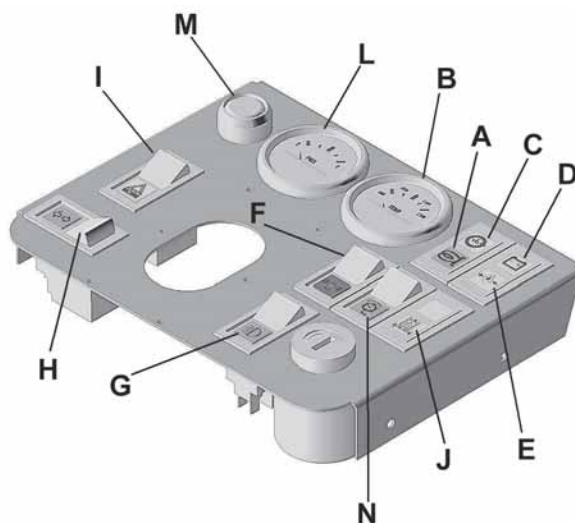
Cutting unit ground pressure can be varied within preset limits and is controlled by the handwheel (B) on the right hand side of the operator's seat located next to the lift/lower levers. The handwheel is turned clockwise to reduce the groundweight of the cutting unit, improving slope climbing ability.

The handwheel is turned anti clockwise to increase the ground weight of the unit. Increased down pressure will reduce the likelihood of cutting unit bounce when cutting undulating ground. When cutting level ground the normal setting is midway way between the maximum and minimum positions.

**6.10 CUTTING UNIT SWITCHES**

To commence cutting ensure speed limiter is in mow position and the cylinders have been lowered. Push bottom of the rocker switch (A) and depress foot switch (B). Push top of rocker switch to stop cutter unit rotation. (Cutting units stop rotating automatically when raised.)

**NOTE:** The backlapping lever must be in the drive position before cylinders will rotate.

**6.11 VARIABLE CYLINDER SPEED**

The speed of rotation of the cutting cylinders is adjustable by means of the handwheel (A) situated on the left hand side of the operator. Cylinder speed should be set to maximum in normal cutting conditions. In very long growth conditions, cylinder speed should be reduced to obtain best finish, cylinder speed should also be reduced when cutting very short, dry grass to prevent excessive cylinder and bottom blade wear. Rotate the hand wheel clockwise to increase cylinder speed, anticlockwise to decrease cylinder speed.

**6.12 BACKLAPPING LEVER**

The lever (B) sets cutting cylinder rotational direction with three positions:

(a) fully towards the seat for mowing, (b) fully away from the seat for backlapping and (c) set in the mid position for neutral. See the separate cutting unit operator's manual for an explanation of the backlapping procedure.



**6.13 INSTRUMENT PANEL****A. ENGINE PREHEAT INDICATOR LAMP**

Colour green, on when the ignition switch is turned clockwise to the pre-heat position. Once the lamp goes out the engine can be started.

**B. ENGINE TEMPERATURE GAUGE**

Indicates current temperature of engine, whilst running.

**C. ENGINE OVERHEAT WARNING LAMP**

Colour red, on when the engine temperature reaches a preset level. If the lamp comes on and a warning horn is sounded bring machine to a stop, disengage the cutting cylinders, apply the parking brake and allow the engine to cool by running the engine at half speed for two minutes before stopping and investigating the cause.

**D. CHARGING WARNING LAMP**

Colour red, on when ignition is switched on and will go out when the engine is started. If the light comes on while the engine is running, the fan belt may be slipping or broken or a fault in the electrical system is indicated and should be investigated. STOP IMMEDIATELY.

**E. ENGINE OIL PRESSURE WARNING LAMP**

Colour red, on when the ignition is switched on, and will go out once the engine has started. If the light comes on while the engine is running - STOP IMMEDIATELY as this indicates that the engine oil pressure is too low. Check the level of oil in the sump and top up as necessary. Check the oil pressure sender switch. Continued operation may cause extensive damage to the engine.

**F. 4 WHEEL DRIVE IN REVERSE SWITCH**

Press and hold the bottom half of the switch to engage 4 wheel drive when reversing. (Where fitted). This function only operates when in cutting mode.

**G. HEAD LIGHT/SIDE LIGHT**

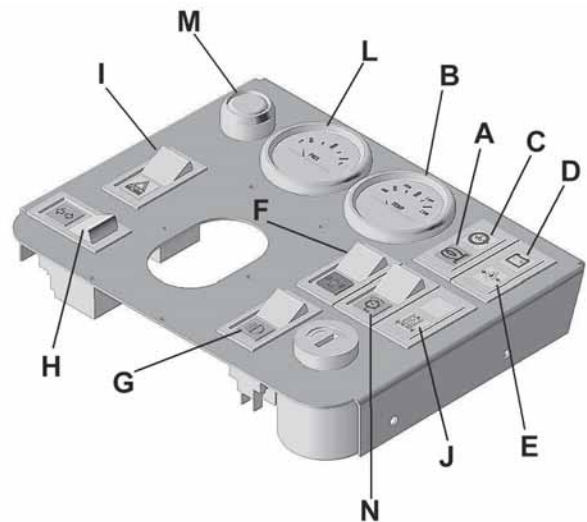
Depress the bottom half of the switch to turn on the headlights and sidelights. (Where fitted)

**H. DIRECTIONAL INDICATORS**

Depress left hand-side of switch to signal left, and right hand-side of switch to signal right. (Where fitted)

**I. HAZARD WARNING LIGHTS.**

Press the top half of the switch to turn on the hazard warning lights. (Where fitted)



**J. BLOCKED HYDRAULIC FILTER INDICATOR.**

Monitors Hyd filter condition. Coloured red, Illuminates prior to filter bypass valve operating, when illuminated filter requires changing. The lamp should illuminated while the engine is preheating as a test. It is not unusual for the lamp to stay light for up to 3 minutes after a very cold start. But should not stay on for longer than 5 minutes.

**K. HOURMETER**

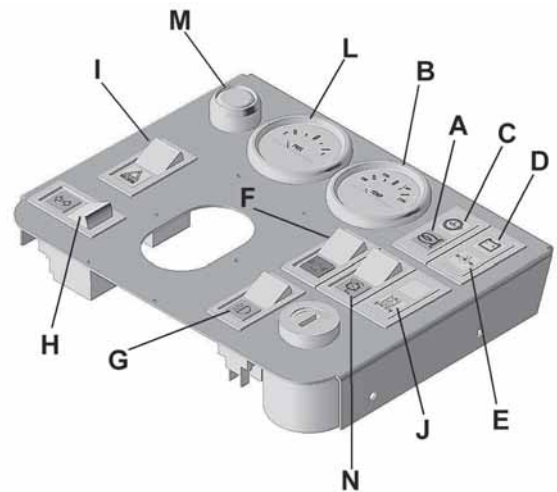
Located on the lefthand side of the steering tower, above the parking brake . Records engine running hours.

**L. FUEL GUAGE**

Located to the left of the engine temperature guage. Monitors fuel level.

**M. HORN**

Press button to sound horn.

**6.14 DIFF LOCK CONTROL**

The Diff lock (A) is operated by depressing the foot switch. When the foot switch is released the Diff Lock ceases to operate. The Diff Lock should only be used in severe situations, and should never be used on tarmac or whilst steering



**7.1 DAILY INSPECTION**

**The daily inspection should be performed only when the engine is off and all fluids are cold. Lower implements to the ground, engage parking brake, stop engine and remove ignition key.**

1. Perform a visual inspection of the entire unit, look for signs of wear, loss hardware and missing or damaged components. Check for fuel and oil leaks to ensure connections are tight and hoses and tubes are in good condition.
2. Check the fuel supply, radiator coolant level, crankcase oil level and air cleaner indicator. All fluids must be at the full mark with the engine cold.
3. Make sure all cutting units are adjusted to the same height of cut.
4. Check all tyres for proper inflation.
5. Test the operator presence and safety interlock system.

**7.2 OPERATOR PRESENCE AND SAFETY INTERLOCK SYSTEM**

1. The operator presence & safety interlock system prevents the engine from starting unless the parking brake is engaged, the mowing device is off and the operator is not in the seat. The system also stops the engine if the operator leaves the seat with the mowing device engaged or the traction pedal out of neutral.



2. Perform each of the following tests to ensure the operator presence & safety interlock system is functioning properly. Stop the test and have the system inspected and repaired if any of the tests **fail** as listed below:
- The engine **does** start in test 1;
  - The engine **does not** start during tests 2,3 or 4;
  - The engine **continues** to run during test 5.
3. Refer to the chart below for each test and follow the check (ü) marks across the chart. Shut engine off between each test.

Test1: Represents normal starting procedure. The operator is seated, parking brake is engaged, the operators feet are off the pedals and the mower engagement device is off. The engine should start.

Test2: The engine must not start if the mower engage device is on.

Test3: The engine must not start if the operator is not seated.

Test4: The engine must not start if the traction pedal is depressed.

Test5: Start the engine in the normal manner, push speed governor into Cut position, engage mower switch on dash, engage cutting cylinders by depressing foot switch and lift your weight off the seat.

Test	Operator Seated		Parking Brake Applied		Mow Engage Switch		Engine Starts	
	Yes	No	Yes	No	Cut	Dis-Engaged	Yes	No
1	✓		✓			✓	✓	
2	✓		✓		✓			✓
3		✓	✓			✓		✓
4	✓			✓		✓		✓
5	✓	*	✓		✓		*	
* Lift your weight off seat. The cutting units must stop rotating within seven (7) seconds								

## 7.3 OPERATING PROCEDURE



**To help prevent injury, always wear safety glasses, leather work shoes or boots, a hard hat and ear protection.**

1. Under no circumstances should the engine be started without the operator seated on the tractor.
2. Do not operate tractor or attachments with loose, damaged or missing components. Whenever possible mow when grass is dry
3. First mow in a test area to become thoroughly familiar with the operation of the tractor and control levers.

**Note:** To prevent damage to the reel and bottom blade never operate the reels when they are not cutting grass. Excessive friction and heat will develop between the bottom blade and reel and damage the cutting edge.

4. Study the area to determine the best and safest operating procedure. Consider the height of the grass, type of terrain, and condition of the surface. Each condition will require certain adjustments or precautions.
5. Never direct discharge of material toward bystanders, nor allow anyone near the machine while in operation. The owner/operator is responsible for injuries inflicted to bystanders and/or damage to their property.



**Pick up all debris you can find before mowing. Enter a new area cautiously  
Always operate at speeds that allow you to have complete control of the tractor**

6. Use discretion when mowing near gravel areas (roadway, parking areas, cart paths, etc.). Stones discharged from the implement may cause serious injuries to bystanders and/or damage the equipment.
7. Disengage the drive motors and raise the implements when crossing paths or roads. Look out for traffic.
8. Stop and inspect the equipment for damage immediately after striking an obstruction or if the machine begins to vibrate abnormally. Have the equipment repaired before resuming operation.



**Before you clean, adjust, or repair this equipment, always disengage all drives, lower implements to the ground, engage parking brake, stop engine and remove key from ignition switch to prevent injuries.**

**WARNING****DO NOT USE ON SLOPES GREATER THAN 15°**

9. Slow down and use extra care on hillsides. Read Section 3.7. Use caution when operating near drop off points.
10. Never use your hands to clean cutting units. Use a brush to remove grass clippings from blades. Blades are extremely sharp and can cause serious injuries

**OPERATION OF THE MACHINE***Read the Safety Instructions.***BEFORE OPERATING FOR THE FIRST TIME**

- Check and adjust tyre pressure, if necessary, to 1 kg/cm<sup>2</sup>.
- Add diesel fuel to tank if necessary.
- Add LPG if necessary, see self-Serve Instructions below.
- Check engine oil and top-up, if necessary.
- Check radiator coolant and top-up, if necessary (50% antifreeze solution).
- Make sure you understand the information contained in the preceding General Instructions and Instruments & Controls sections.

**7.4 STARTING THE ENGINE**

The following procedure is for starting cold engines.

1. Ensure the FWD/RVS pedal is in the neutral position, the speed limiter is in the transport position, the mow switch off, the throttle setting is in a mid position and the parking brake is applied.
2. Turn the ignition switch to position No.2 and hold until the glow plug light goes off (5-10 sec.)
3. Turn ignition key fully clockwise to the start position and operate the starter motor until the engine starts (This should only take a few seconds)
4. When the engine starts, release the key immediately and it will return to the RUN position.
5. If the engine does not start, preheat the glow plugs and try again.

**NOTES:**

- **Warm engine** - When the engine is warm because of surrounding temperature or recent operation, step No.2 of the cold engine starting procedure may be skipped (no need to preheat glow plugs).
- If the engine fails to start after two tries (with preheat if necessary), wait 20 seconds and try again.
- The starter motor should never be run continuously for longer than 30 seconds or it may fail.

**7.5 DRIVING**

- **Release brake** - Make sure the parking brake is released before attempting to go forward or reverse.
- **Forward** - Gently depress the top plate of the FWD/RVS foot pedal to reach desired ground speed.
- **Reverse** - Gently depress the bottom plate of the FWD/RVS foot pedal to reach desired ground speed. Engage 4 wheel drive if required, where fitted.
- **To stop** - Gently return the FWD/RVS foot pedal to the neutral position.

**NOTES:**

- Use complete foot to operate both forward and reverse.
- Do not move pedal suddenly—always operate slowly and smoothly. Never move pedal violently from forward to reverse or vice versa.
- Always keep foot firmly on the foot pedal—a too relaxed foot control may result in a jerky motion.

**7.6 MOWING**

1. Lower the reels with the cutting unit lift control.
2. Ensure speed limiter is in mow position
3. Engage the cutting mechanism by pushing on the lower half of cutting unit switch and operating the floor mounted switch.
3. Release the parking brake and begin driving forward.

**NOTE:** Always set the throttle to full for mowing, even when the grass is heavy. When the engine is labouring, reduce forward speed by easing up on the FWD/RVS foot pedal. Four wheel drive will only operate with the speed limiter in the mow position.

**7.7 TO STOP THE ENGINE**

1. Disengage power to the cutting units with the cutting unit switch.
2. Remove foot from the FWD/REV pedal.
3. Set the parking brake.
3. Move the throttle control lever to the SLOW position.
4. Turn the ignition key to OFF.

**WARNING**

**Cutting Unit Transport Latches are a Secondary Safety Device.**

**When Transporting the machine the Cutting units should be held in the Transport position on the Hydraulics with the Transport Latches Engaged.**

1. Park the machine on level ground.
2. Whilst seated in the driving position With the engine at operating speed raise the cutting units fully by operating lift levers, return the lever to the neutral position.

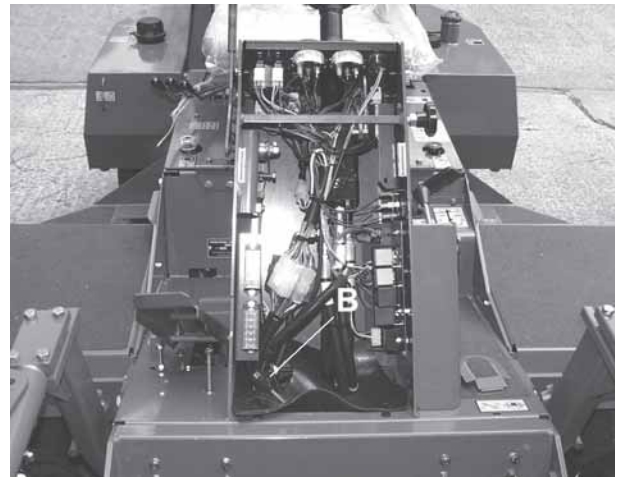
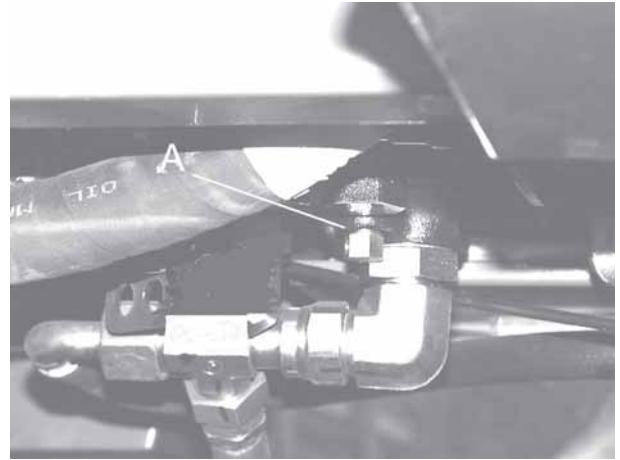
**DO NOT move the lever into the lower position.**

3. Disengage drives, stop the engine and make sure all moving parts are stationary. Apply brakes and remove the starter key.
4. Transport latches can now be engaged or released.

**Before releasing transport latches it is important that all cutting units are fully raised.**

**7.8 PUSHING THE MACHINE WITH THE ENGINE STOPPED**

1. To push, disengage the parking brake.
2. Turn screw (A) located on the underside of the transmission pump 1 turn counterclockwise. Set the steering wheel so that the rear wheels are pointing straight ahead.
3. Remove the tower cover and turn the emergency brake valve (B) towards the parking brake/hour meter side of the tower.
4. Turn the steering wheel to the left until resistance can be detected. The machine is now ready to push. If unable to move the machine apply further pressure to the steering wheel. **Excessive force should never be used on the steering wheel.** If the rear wheels start to turn too much force is being applied.
5. After pushing, return valve (B) and knob (A) to their previous positions.



## 7.12 MOWING ON SLOPES

The mower has been designed for good traction and stability under normal mowing conditions. Use caution when operating on slopes, especially when the grass is wet. Wet grass reduces traction and steering control.

**WARNING**

To minimize the possibility of overturning, the safest method for operating on hills and terraces is to travel up and down the face of the slope (vertically), not across the face (horizontally). Avoid unnecessary turns, travel at reduced speeds, and stay alert for hidden hazards.

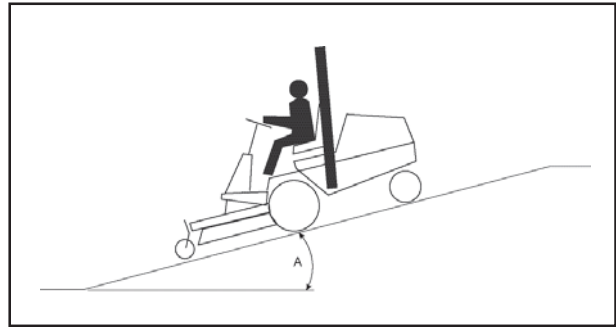
1. Always mow with the engine at full throttle, control forward speed using traction foot pedal to maintain proper cutting.
2. Use weight transfer control as required to improve weight distribution between decks and mower.
3. If the mower tends to slide or the tyres begin to mark the turf, angle mower into a less steep slope until traction is regained or tyre marking stops.
4. If mower continues to slide or mark the turf, the slope is too steep for safe operation. Do not make another attempt to climb, and back down slowly.
5. When descending a steep slope, always lower implements to the ground to reduce the risk of mower overturning.

Correct tyre pressure is essential for maximum traction.

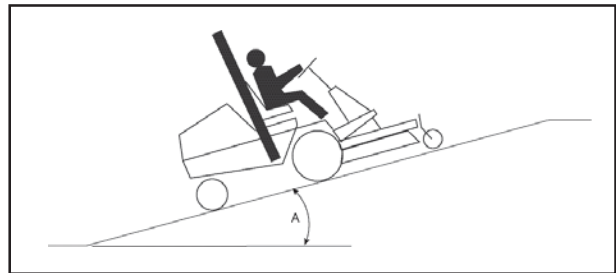
See Specification

**WARNING**

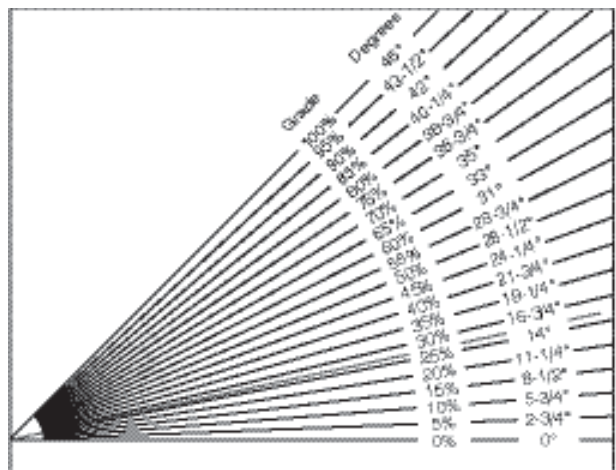
**DO NOT USE ON SLOPES GREATER THAN 15°**



A = Maximum Allowable Slope



A = Maximum Allowable Slope



Degrees are shown to the nearest 1/4°.

General slope of roadway embankment - 45°

Steepest grass area - 31°

Slope of average roof - 19-1/4°

2nd class highway maximum grade 4-1/2°

Toll road or freeway - 1-3/4°

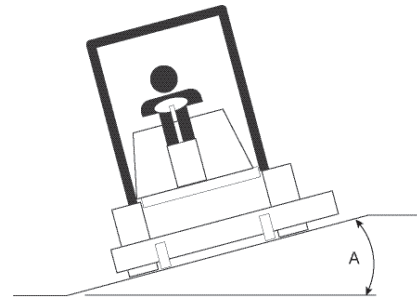
If it is necessary to mow across a short slope, ensure the right hand cutting unit is the lowest.

### ⚠ WARNING ⚠

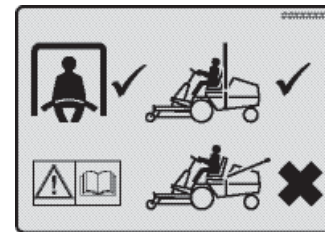
When the machine is being used, whether cutting grass or not, on slopes, the ROPS frame should be deployed and the seat belt used.

This rationale is based on the fact that a seat belt must be worn with a ROPS to comply with the Machinery Directive 2006/42/EC sections 3.2.2, Seating & 3.4.3, Rollover

Ransomes Jacobsen Limited recommends that a local risk assessment is completed by the owner/user of the machine to determine the risks associated with working on slopes.



A = Maximum Allowable Slope



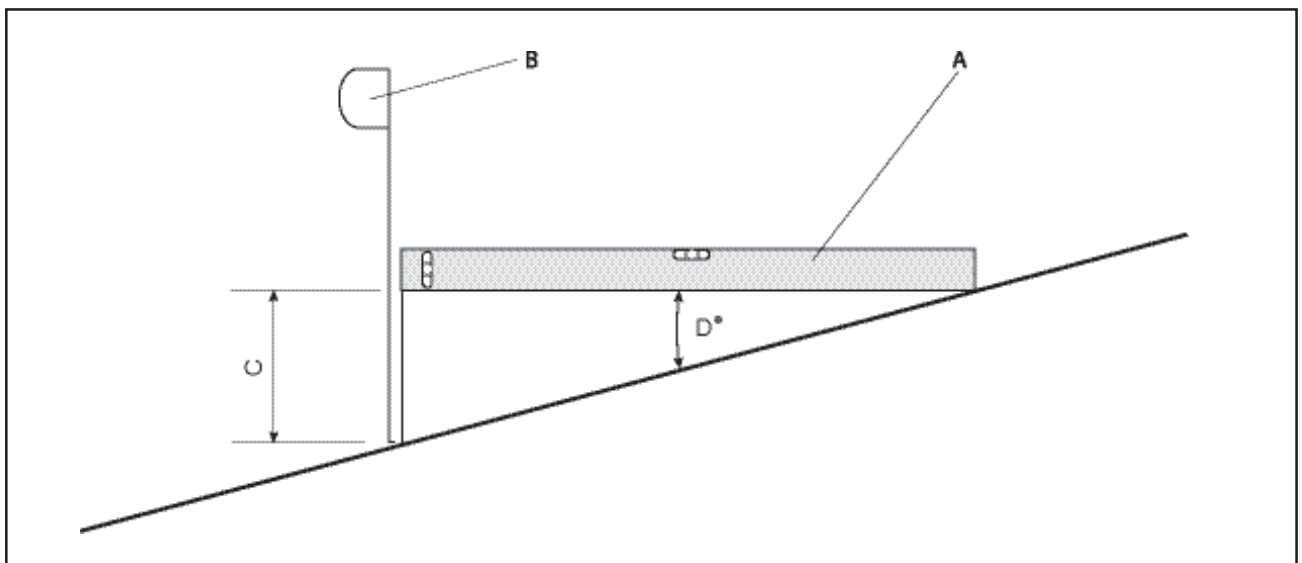
How to calculate a slope

Tools:

Spirit level 1 metre long.

Tape measure.

With the spirit level (A) positioned horizontally measure the distance (C) with tape measure (B) Use the chart to calculate either the slope angle or the % grade D of the slope.



Use Either of these columns but not both		The result of what you are measuring	
Height C in inches measured with a 1 yard horizontal edge A	Height C in millimeters measured with a 1 metre horizontal edge A	Slope Angle D measured in Degrees	Slope Angle D measured in Grade%
3		4.8	8.3
	100	5.7	10.0
	150	8.5	15.0
6		9.5	16.7
	200	11.3	20.0
7.5		11.8	20.8
	225	12.7	22.5
9	250	14.0	25.0
	275	15.4	27.5
10		15.5	27.8
	300	16.7	30.0
11		17.0	30.6
	325	18.0	32.5
12		18.4	33.3
	350	19.3	35.0
13		19.9	36.1
	375	20.6	37.5
14		21.3	38.9
	400	21.8	40.0
15		22.6	41.7
	425	23.0	42.5
16		24.0	44.4
	475	25.4	47.5
18	500	26.6	50.0
20		29.1	55.6
	600	31.0	60.0
25		34.8	69.4
	800	38.7	80.0
30		39.8	83.3
	900	42.0	90.0
36	1000	45.0	100.0



## 8.1 LUBRICATION AND MAINTENANCE CHART

MAINTENANCE AND LUBRICATION CHART		
Interval	Item	Section
First 50 hours	<ul style="list-style-type: none"> <li>● Change Engine Oil</li> <li>● Change Engine Oil Filter</li> </ul>	8.4
Daily 10 hours	● Check Engine Oil Level	8.2
	● Check / Clean Air Filter Element	8.2
	● Check / Clean Bug Screen / Radiator	8.2
	● Check Coolant Level	8.2
	● Check Hydraulic Fluid Level	8.2
	● Check Tyre Pressure	
	● Check Engine Bay for Debris	
	● Check Foot Pedal For Free Movement	
Weekly 40 hours	<ul style="list-style-type: none"> <li>● Check Battery Condition</li> <li>● Check Hydraulic Fittings for Tightness</li> <li>● Check Nuts &amp; Bolts for Tightness</li> </ul>	8.9
Every 100 hours	● Check & Clean Air Filter Element *	8.7
	● Check Fuel Filter For Water Contamination	8.8
Every 200 hours	● Change Engine Oil & Oil Filter	8.4
Every 400 hours	● Change Air Filter Element *	8.7
	● Replace Inline Fuel Filters	
	● Replace Fuel Filter Cannister	8.8
End of Season or 1000 hours	● Change Hydraulic Oil & Filters	8.10
	● Drain & Replace Engine Coolant	8.10
Lubricate all Grease fittings with K NATE (RJL No. 4213860) or equivalent Grease Weekly		
* Check more often in dirty conditions		
<b>IMPORTANT</b> Refer to Engine Manufacturers Manual for Additional Engine Maintenance Procedures		

FLUID REQUIREMENTS			
		QUANTITY	TYPE
A	ENGINE OIL (with filter)	6.4 Litres	10W 30
B	HYDRAULIC OIL (with filter)	35 Litres	ISO VG46 or Equivilant
C	RADIATOR COOLANT	5 Litres	50% ANTI-FREEZE
D	FUEL	45 Litres	No 2-D (ASTMD975) Diesel

**8.2 DAILY CHECKS (Every 8 working hours)  
Oil Level.**

Check level of oil in sump. Remove dipstick (A) wipe and replace and check that oil is up to the maximum mark. Top up with SAE30 if necessary. It is important that this test is carried out with the engine cold and vehicle parked on level ground.

**Air Filter.**

Examine blockage indicator (B) If indicator shows red filter element requires cleaning or replacement. The indicator is reset by pressing the button on the end of the indicator.

**Hydraulic Oil Level.**

Check hydraulic oil level in tank. The level of oil should be maintained so it is just visible in the sight tube (C) Top up with Tellus 46 or equivalent if necessary. The oil level should be checked cold with the machine parked on level ground.

**IMPORTANT:**

**Absolute cleanliness must be observed when filling the hydraulic tank. Oil must be filtered through a 25 micron filter before entering the hydraulic tank.**

**Cooling System.**

Check coolant level in expansion tank (D) The coolant level should be between the marks indicated on the bottle. Top up if necessary using a 50% antifreeze solution.

**NOTE: To avoid the risk of accidental injury the seat plate and bonnet are fitted with locks. These should be kept secure when access is not required.**

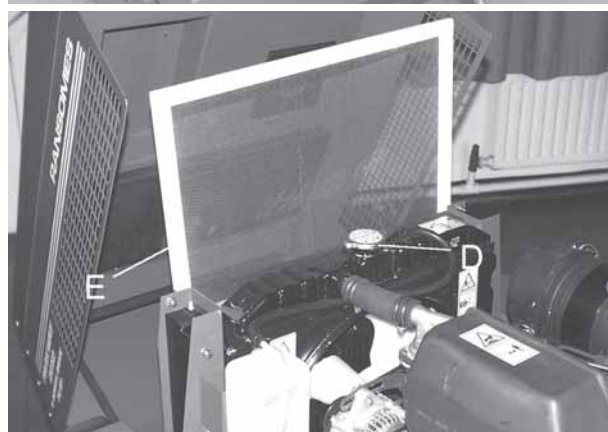
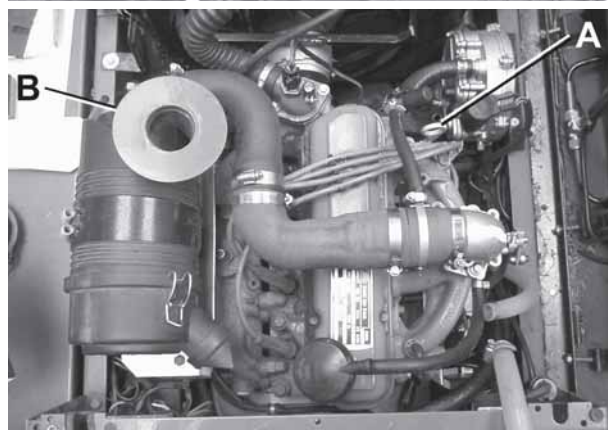
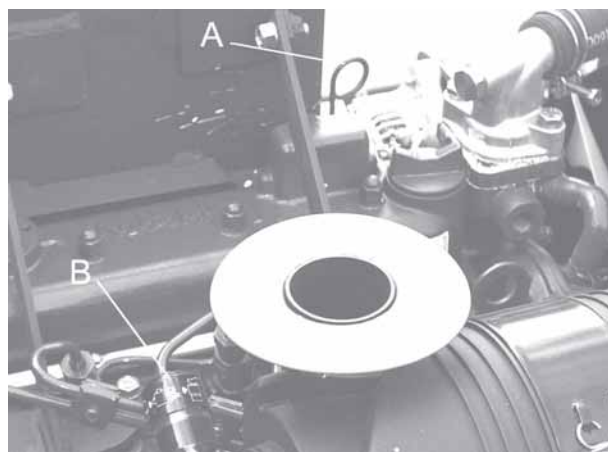
**Cleaning the air filter**

Remove loose dirt from element with compressed air working from the "clean" to "dirty" side.

**Note:** Compressed air must not exceed 6bar, with the nozzle 50mm away from element. The element should be replaced after 6 cleanings.

**Cooling System.**

Check Bug Screen (E) is free from dust and there is an un-interrupted air flow to engine. The screen should be fitted with the mesh facing the rear of the machine. Any debris should be removed with a soft hand brush.



**8.3 MACHINE: Every 400 Working Hours.**

Lubrication of Direct Drive Hydraulic Motor (Every 400 hours)

Lower all cutting units onto level ground. Before leaving the driving position, stop the engine and make sure all moving parts are stationary. Apply brakes and disengage all drives. remove the starter key. The direct

drive hydraulic motor can be removed from the cutting unit by removing the two screws and washers holding the motor to the bearing housing. Carefully withdraw the motor from the bearing housing, it is important not to contaminate the motor shaft or internal splines of the cutting cylinder. If for any reason they are contaminated, they should be cleaned by degreasing. Liberally lubricate the motor and cylinder splines with Shell Malleus JB1 grease before reassembling.

**8.4 MACHINE: Every 800 Working Hours.**

Change Hydraulic Oil.

1. Remove drain plug in bottom of Hydraulic tank and wipe off plug.
2. Allow tank to drain and replace plug.
3. Refill tank with ISO VG 46 Oil.

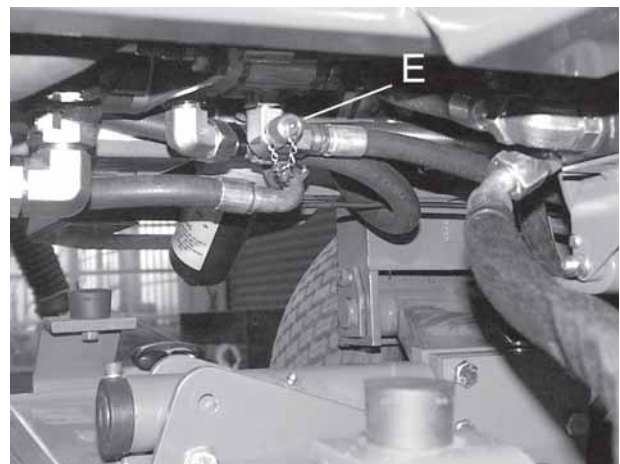
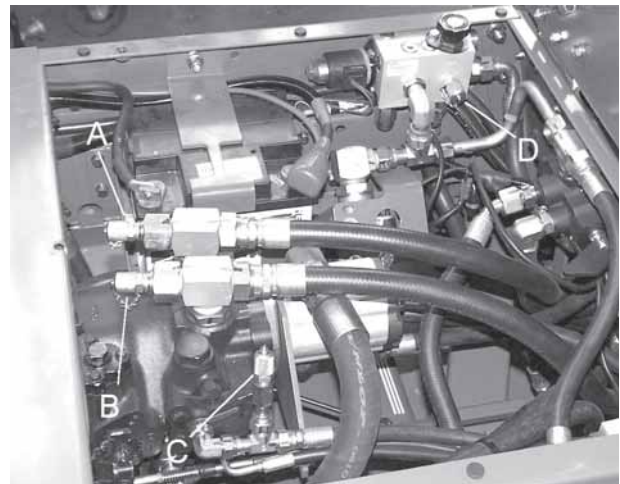
**IMPORTANT**

Absolute cleanliness must be observed when filling the hydraulic tank. Oil must be filtered through a 25 micron filter before entering the hydraulic tank.

**8.5 HYDRAULIC TEST POINTS.**

There are 5 test points available on the machine for conducting hydraulic system checks.

- Forward drive pressure (A)
- Reverse drive pressure (B)
- Charge pressure (C)
- Cutting cylinder drive pressure (D)
- Lift and power steering pressure (E)



**8.6 ENGINE MAINTENANCE - DIESEL**  
**Every 100 hrs****Fuel System.**

Use Diesel fuel No.2-D (ASTM D975)

See engine manufacturer's manual for additional information.

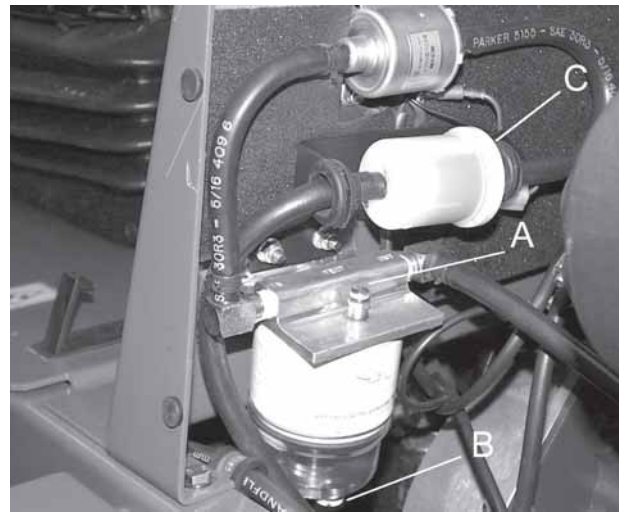
**Water Separator** - If water is not removed from the fuel, extensive damage can be done to the fuel injection system.

1. With engine off, open vent (A) at top of water separator.
2. Open drain valve (B) at bottom of water separator to allow any water to drain out.
3. If water is present, it will drain first. When fuel emerges from the valve (B), close the valve. Close the vent (A).

**NOTE:** Failure to drain water reduces fuel filter efficiency.

**Bleeding air from fuel system**

1. Turn the ignition switch to the ON position (don't start engine).
2. Open air vent (C) on side of injection pump to allow air to escape.
3. Retighten air vent.
4. Turn ignition to OFF.



**8.7 ENGINE MAINTENANCE - DIESEL**  
**Every 400 hrs**

**Replace** In-line fuel (C)

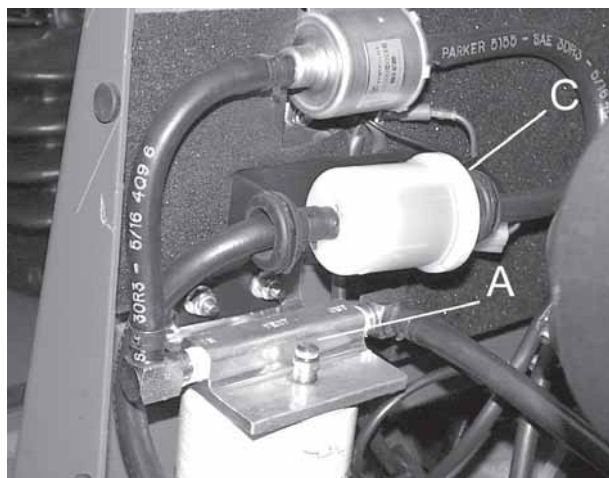
**Cleaning the air filter**

Remove loose dirt from element with compressed air working from the clean to dirty side, using compressed air max 6 bar , with nozzle 5cm from element.

**Change air filter** (Or every 6 cleanings)

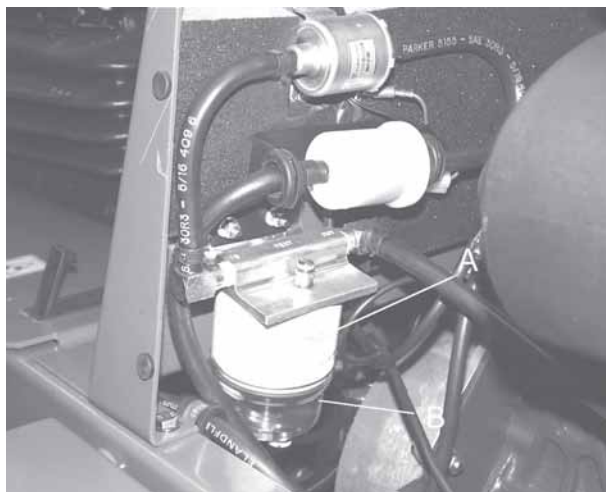
1. Raise bonnet.
2. Remove end cap of air filter cartridge.
3. Remove accumulated dust or dirt.
4. Remove filter element (B) (pull straight out firmly)
5. install new filter element (press firmly against rear shoulder)
6. Replace end cap and fasten with clips

**NOTE:** Extensive damage to engine can result from an inadequate air supply.



**8.8 ENGINE MAINTENANCE - DIESEL****Every 400 hrs****Changing fuel filter**

1. Unscrew filter (A) from filter head.
2. Remove water (B) separator from filter and discard filter.
3. Fit water separator to new filter and refit filter to head.
4. Bleed air from system as describe in section 5.6.

**8.9 MACHINE MAINTENANCE****Battery.**

Keep fluid levels above battery plates.

**WARNING**

Wear eye protection when servicing battery.

**WARNING**

**Battery posts, terminals and related accessories contain lead and lead compounds**

**WASH HANDS AFTER HANDLING****Other Regular Service.**

- Verify proper operation of safety interlock switches (Parking Brake, Seat switch, etc.)
- Ensure nuts and bolts remain tight.
- Keep tyre pressure at 1kg/cm<sup>2</sup> (14psi).
- Follow the engine manufacturer's maintenance recommendations.
- If a label becomes worn or removed, see the LABELS section of this manual or the tractor Parts Manual for replacement information.

**NOTE:** When washing machine with pressure spray washers or steam cleaners, avoid washing bearing areas because cleaning solutions might penetrate bearing seals and cause premature bearing failure.

**Storage**

- Store petrol or diesel fuel in an approved container in a cool dry place.
- Keep the machine and fuel containers in a locked storage place to prevent tampering and to keep children from playing with them.
- Do not store fuel or petrol/diesel fuel powered equipment in any closed area where heating appliances, pilot lights or any sort of open flame is present.
- Before storing, allow the engine to cool, and drain fuel completely from fuel tanks and containers.
- Maximum safety and best mowing results can only be expected if the mower is maintained and operated properly.

**8.10 END OF SEASON or when required****Change Hydraulic filter.**

1. Lower the centre cutting unit to improve access.
2. Wipe filter bowl (A) and housing to remove any dirt present.
3. Place a suitable drip tray on top of the centre cutting unit.
4. Unscrew bowl and remove oil filter element and dispose of safely.
5. Replace with new element.
6. Coat the top outside lip of the filter bowl with a thin film of oil and refit filter bowl and torque to 54Nm, as indicated on decal.
7. Start engine and idle for 15 seconds.
8. Stop engine, check filter bowl for leaks and check reservoir

**NOTE:** It is important that absolute cleanliness is observed when changing the filter.

**Change Coolant.**

1. Completely drain the cooling water from the radiator drain plug (B) and flush the cooling system with flushing detergent.
2. Check for leaks or loose connections at the radiator, cylinder head gasket, drain cock etc.
3. Mix antifreeze coolant and water at the specified ratio before pouring into the engine.

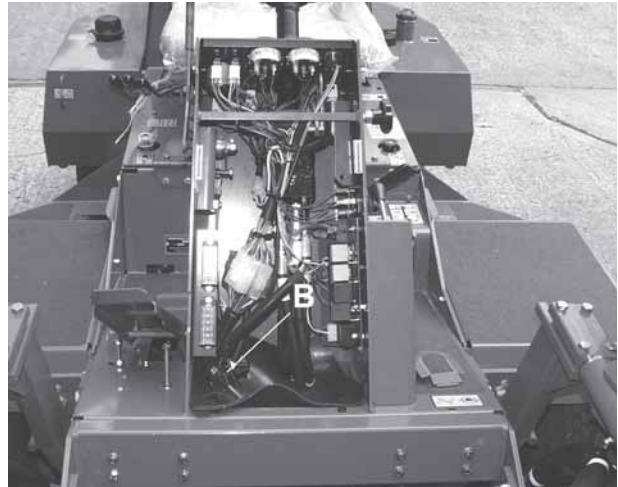
**Note:** When topping up the cooling system fill with a 50/50 solution.

**Check Rear Wheel Bearings. (2WD Only)**

1. Jack up, and securely chock the rear of the machine using points indicated in section 5.2
2. Check for free-play in bearings,
3. If free-play is found remove dust cover and split pin and tighten castlited nut till all free-play is eliminated.

**Transmission Foot Pedal & Cable**

Inspect the cable for damage and freedom of movement. Fully cycle the cable to check that the inner element is in good condition. Inspect the outer sheath for damage and alignment. Correct or replace as appropriate



**9.1 SPEED LIMITER.**

The transport and mow speeds of the machine are factory set and should not be altered. Ransomes Jacobsen Limited cannot be held responsible for loss of performance or machine damage if these speeds are altered.

**9.2 ALTERNATOR/WATER PUMP - DIESEL**

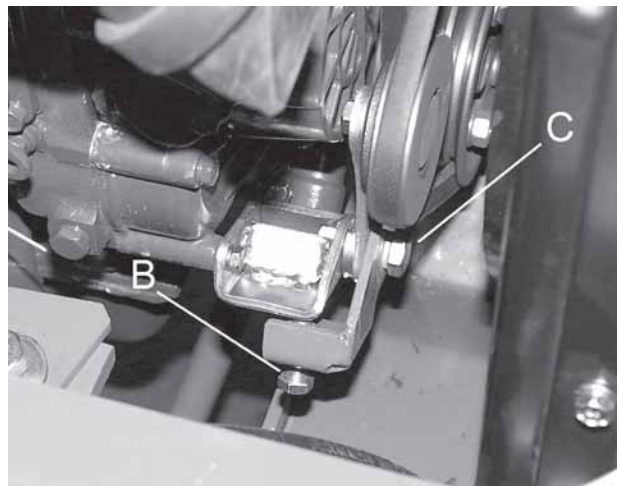
The water pump belt is adjusted so that it has sufficient tension to avoid undue stress on alternator bearings but does not slip on the alternator pulley. Use the following procedure to check the belt tension at the mid-point of the belt between crank shaft and alternator pulleys.

1. Loosen alternator bolt (Diesel A / LPG 1 & 2) and pivot bolt on the underside of the Alternator.
2. Move the alternator to tighten or loosen the belt so that a deflection of 7 to 9 mm is achieved at the mid-span with a load 10Kgf (98N/22lbs) for a new belt, and 8 to 10mm for a used belt.
3. Re-tighten bolts .

**9.3 COOLING FAN BELT - DIESEL**

The cooling fan belt is adjusted so that it has some slack to avoid undue stress on the water pump bearing but does not slip on the pulley. Use the following procedure to check the belt tension in the span between the fan and tension pulleys.

1. Loosen tensioner bolt (C)
2. Release lock nut on bolt (B)
3. Adjust bolt (B) to obtain a belt deflection of 10 to 11 mm with a load 10Kgf (98N/22lbs) for a new belt, and 11 to 11.5mm for a used belt.
4. Re-tighten bolt (C)



**9.4 HEIGHT OF CUT**

The height of cut can be set between:  
13mm (1/2in) and 51mm (2in) (61mm on the spanner adjust) on the Magna 250 fixed head.  
13mm (1/2in) and 35mm (1 3/8in) on the Sport 200 floating head standard blade.

**TO ADJUST HAND WHEEL TYPE:**

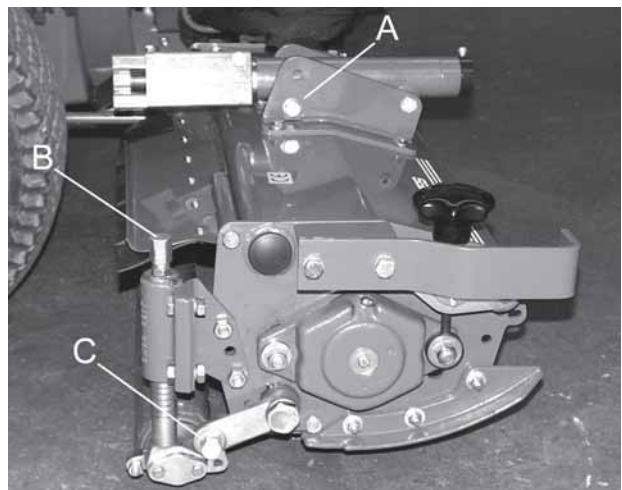
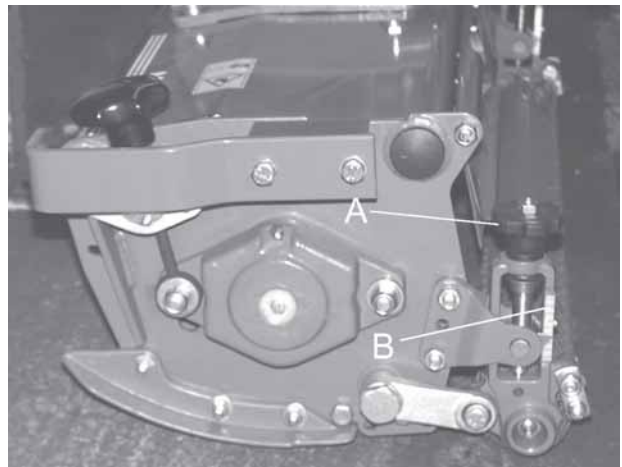
1. Turn the adjuster handwheel (A) clockwise to increase the height of cut, or anticlockwise to decrease the height of cut.
2. Ensure that an equal amount of adjustment is made to both adjusters on all the cutting units. To assist in obtaining equal adjustment height of cut indicators (B) are provided at each end of the roll assembly.

NOTE: The numbers 1 to 9 are only for reference from one side of the roll to the other and bear no relation to the height of cut other than each graduation gives approximately 6.25mm (1/4in) height of cut movement for fixed head units and 3.75mm (5/32in) for floating head units. These indicators are set at the factory and when the pointer is set the same at each end of the roll the roll will be parallel with the bottom blade. If due to any reason the roll and bottom blade are not parallel with each other the roll can be set parallel with the bottom blade by rotating one of the handwheels and then one indicator adjusted by slackening the small clamping screw in the centre of the indicator plate and positioning the indicator relative to the pointer at the opposite end of the roll assembly.

3. No other adjustments are necessary.
4. THIS IS A SELF LOCKING MECHANISM THERE BEING NO NECESSITY TO UNLOCK OR LOCK THE MECHANISM.

**TO ADJUST SPANNER TYPE:**

- 1) Release the two screws (C) which hold the eccentric bush in the lever.
- 2) Turn the adjuster (B) at the rear of the unit, clockwise to reduce the height of cut, or anticlockwise to increase the height of cut.
- 3) After adjustment tighten screws (C) to a maximum torque of 17Nm.



**9.5 BACKLAPPING**

This mower is fitted with a device to allow the reels to be driven in reverse for backlapping.

- Backlapping is a process which will lightly grind the reel to the bedknife whilst mounted on the mower.
- If significant amounts of metal are to be removed then the cutting unit should be reground on a specialised grinding machine.
- Before any backlapping is carried out, Ransomes Jacobsen recommends that the backlapping process should be risk assessed as a workshop process by the manager of the machine.
- Backlapping should only be carried out by trained staff.
- Ransomes Jacobsen recommend that grinding paste is only applied to the reel when it is stationery, the engine is off and the parking brake applied.
- When applying grinding paste the reel should only be rotated by appropriately sized piece of wood and not by hand.
- Place reels in the most accessible position for applying the paste.
- Leave the grass boxes in position on the cutting units as a safety barrier.
- After applying the grinding paste the person backlapping should return to the seat, engage the relevant controls and run the reels in reverse.
- When the desired finish is achieved switch off the mower, clean off any surplus paste, reset the reel to bedknife and return the controls to the normal mow positions.

Ransomes Jacobsen grinding paste:

80 grit grinding paste, 4.5kg tin,  
Part number 5002488

120 grit grinding paste, 4.5kg tin,  
Part number 5002489

80 grit grinding paste, 9kg tin,  
Part number 5002490

120 grit grinding paste, 9kg tin,  
Part number 5002491

**9.6 GENERAL INSTRUCTIONS FOR  
GRAMMER SEATS**

Adjustments must not be made while driving.

- After removal of the backrest upholstery, the backrest frame must be supported, for example held in place,
- before the backrest adjuster is operated. If you fail to do so, there is a danger that the backrest frame may jerk forward and cause injury.
- Any changes to the series standard of the seat (for example fitting parts which are not original GRAMMER parts) may impair the safety standard to which it has been tested.
- Functions may be impaired, threatening your safety. For this reason, any changes in design of the seat must be approved by GRAMMER.

During the removal and installation of the driver's seat, the corresponding instructions by the specific vehicle manufacturer must be strictly observed!

- Do not hold onto the covers for lifting the driver's seats. If you do so anyway, there is an increased risk of injury due to loosening or breaking covers.
- Before you remove the driver's seat, disconnect all plug-in connections between the seat and the vehicle supply network. When you replace the plug-in connectors, make sure they are tight to avoid ingress of dust and water.
- Seatbelts can be retrofitted to the driver's seat. Seatbelts may only be fitted on the approval of the vehicle manufacturer, as they increase the load in the seat mounting area.
- Seatbelts must be fitted in accordance with specific national regulations and guidelines, and must be approved by GRAMMER.
- Retrofitted seatbelts must be fastened before driving.
- The seat belt must be replaced after an accident.
- Where seatbelts are fitted to the driver's seat, the seat and seat mounting must be checked additionally by specialist personnel after an accident has occurred.
- Fasteners must be, checked regularly for tight seat. If the seat wobbles there may be loose bolts or other faults.
- If you notice that the seat does not function correctly (for example a defective seat suspension; improper curvature of the lumbar support or damaged bellows), contact a specialist workshop immediately to arrange for repairs to be carried out. If you fail to do so, your health may be affected and the risk of accident increased.
- Before the vehicle is used, switches that might be in the seat (for shutting down mechanical equipment when the driver leaves his/her seat) must be checked for proper function
- If malfunctions are detected, the vehicle must not be driven. – INCREASED RISK OF ACCIDENT –
- Loads must not be placed on seats with a built in switch, except for the driver's weight during normal use, as the vehicle may otherwise start to move by itself. – INCREASED RISK OF ACCIDENT –
- If you take off the weight from the seat while driving, this will cause the vehicle to stop.
- Do not indent the bellows while there is load on the driver's seat. – RISK OF CRUSHING –
- Make sure that the interior of drivers seat remains free of foreign particles or liquids.
- The driver's seat is not watertight and must be protected against splashes of water!
- Any conversion or refitting work on a GRAMMER driver's seat must be performed exclusively in authorised workshops by trained or suitably qualified personnel and in adherence with the applicable operating, maintenance and installation instructions and in compliance with all relevant national regulations.
- Improper installation and assembly bear the risk of personal injury or property damage and the proper function of the driver's seat or mounted parts can no longer be guaranteed.

**9.6.2 SEAT MSG75 AIR SUSPENSION****WEIGHT ADJUSTMENT**

The seat is adjusted for the driver's weight by pulling or pressing the lever for seat weight adjustment and with the driver sitting on the seat.

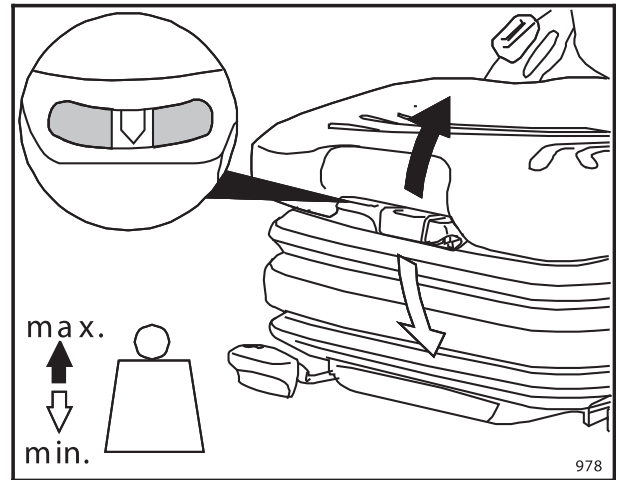
The driver's weight is adjusted correctly when the arrow is in the middle clear area of the viewing window.

Within this viewing area, the individual height can be adjusted to a minimum spring movement.

When the minimum/maximum weight adjustment has been reached, you can hear it reaching the upper or lower end stop.

To prevent damage to the health and material, the setting for the driver's weight must be checked and adjusted individually before the vehicle is driven.

In order to avoid compressor damage during weight adjustment, the compressor must be operated no longer than 1 minute.

**FORE/AFT ADJUSTMENT**

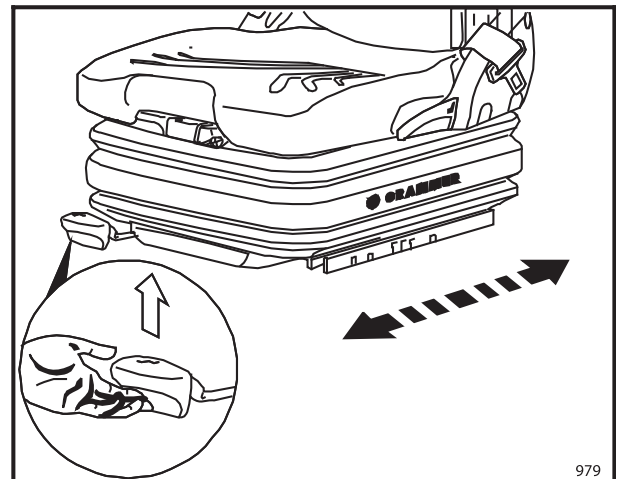
The fore/aft adjustment is released by lifting the locking lever.

**WARNING! Risk of accident!**  
**Do not operate the locking lever while driving.**

**WARNING! Risk of crushing!**  
**Only touch the lever at the indented grip, do not reach back under the lever.**

After the adjustment, the locking lever must latch into the desired position with an audible click. It should not be possible to move the driver's seat into another position when it is locked.

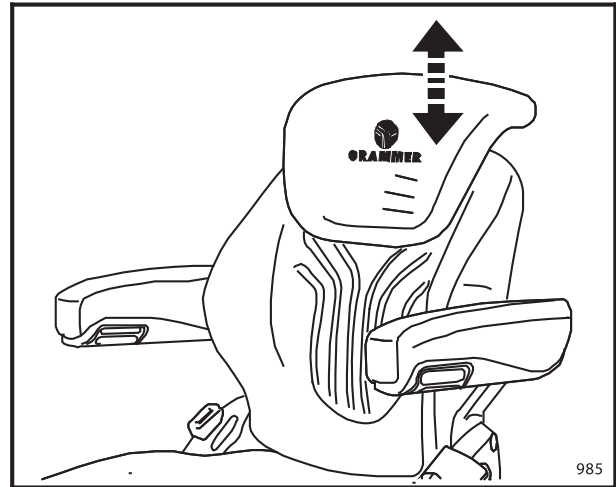
Do not lift the locking lever with your leg or calf.



**BACKREST EXTENSION**

The backrest extension can be individually adjusted by pulling it upwards or pushing it downwards over the various locking increments up the end stop.

To remove the backrest extension, pull it upwards over the end stop.



985

**LUMBAR SUPPORT**

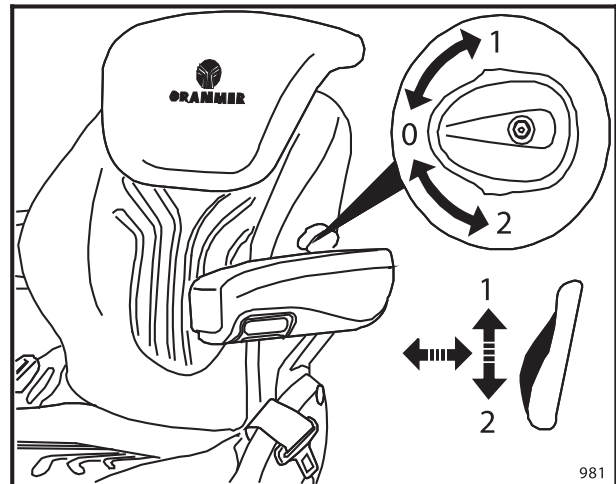
The lumbar support increases both the seating comfort and the performance of the driver.

By turning the adjustment knob upwards, the curvature in the upper part of the backrest cushion can be adjusted. By turning the knob downwards, the curvature in the lower part of the backrest cushion can be adjusted.

0 = No curvature

1 = Max. curvature at the top

2 = Max. curvature at the bottom



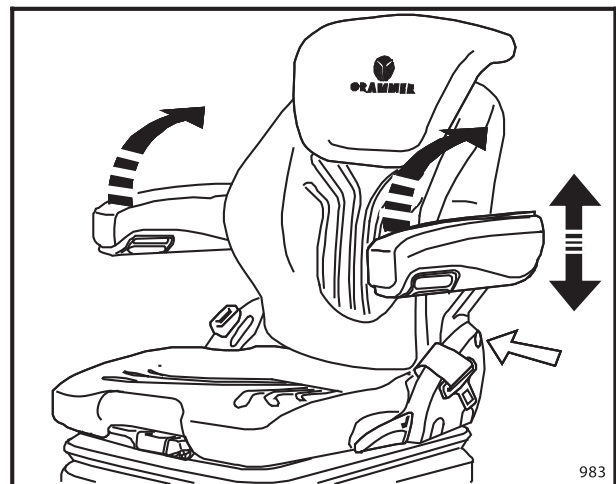
981

**ARMRESTS**

The armrests can be folded up if required and the height individually adjusted.

To adjust the armrests for height, separate the round cap (see arrow) from the cover, loosen the hexagon nut (size 13 mm) behind it and adjust the armrests to the desired position (5-steps) and tighten the nut again.

Replace the cap onto the nut.

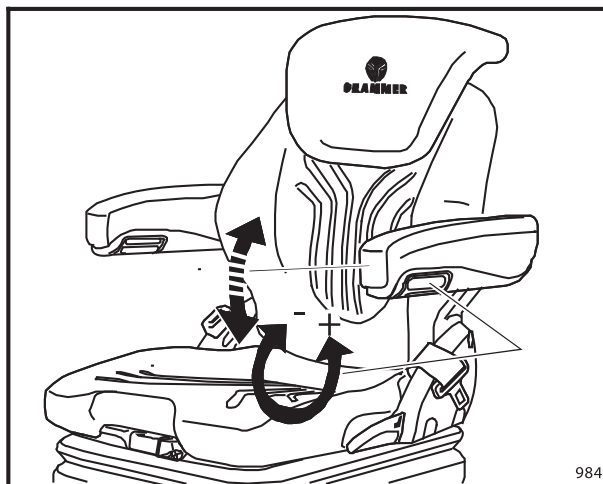


983

## ARMREST ADJUSTMENT

The inclination of the armrests can be modified by turning the adjustment knob.

When turning the knob to the outside (+) the front part of the armrest will be lifted, when turning the knob to inside (-) it will be lowered.

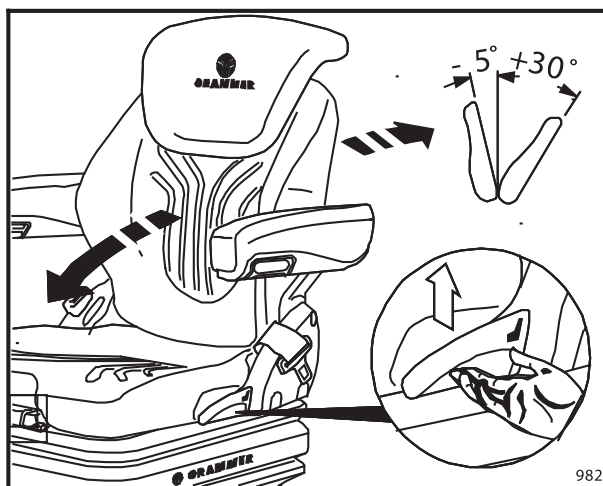


## BACKREST ADJUSTMENT

Moving the locking lever upwards loosens the notching of the backrest adjustment.

After the adjustment, the locking lever must latch into the desired position. It should not be possible to move the backrest into another position when it is locked.

For an ergonomic use the backrest can be adjusted in a range of  $-5$  to  $+30$  degrees (15 steps of  $2.5$  degrees each).



## MAINTENANCE

Dirt can impair the function of the seat, so make sure you keep your seat clean! Upholstery does not need to be removed from the seat frame for cleaning.

**Caution: Take care with the backrest - it may jerk forward and cause injury!**  
**When cleaning the backrest cushion the backrest must be held in place when operating the backrest lever.**

**Attention:** Do not clean the seat with a pressure washer!

During cleaning the upholstery should not be soaked through.

Use a standard commercially available **upholstery or plastic cleaning agent**. **Test first for compatibility** on a small, concealed area.



**9.6.3 SEAT MSG85 MECHANICAL SUSPENSION**

The seat can be adjusted for operator's weight and leg reach to provide a comfortable position for operating the machine.

**A. ADJUSTMENT FOR OPERATOR WEIGHT**

To Adjust:

The position of the adjusting knob (A) is on the front of the seat, in the centre below the seat cushion. By rotating the knob clockwise the weight capacity is increased and by rotating the knob anticlockwise the weight capacity is decreased.

**B. FORE AND AFT ADJUSTMENT**

To Adjust:

The position of the adjusting lever is on the right hand side of the seat below the seat cushion (B). By moving the lever towards the seat, the seat can be slid backwards and forwards. When in the desired position release the lever to locate in one of the pre set positions.

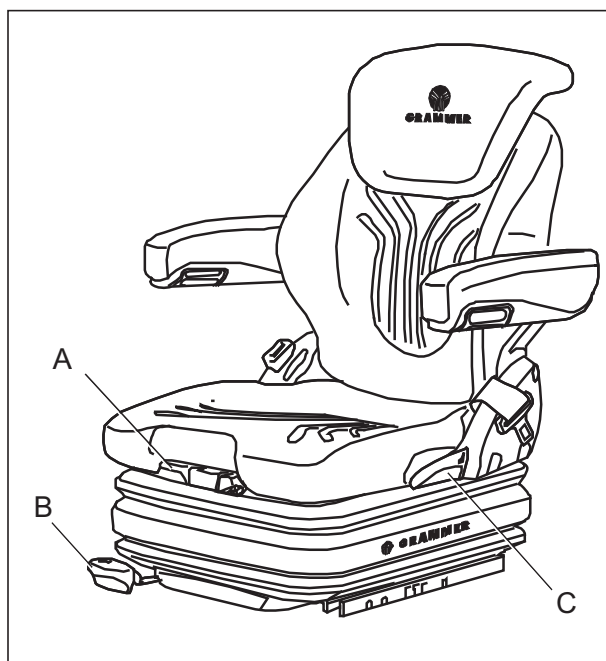
**C. BACK REST ADJUSTMENT**

The back rest has three preset positions

To Adjust:

The position of the release lever is on the left hand side of the seat back rest (C). Move the lever upwards to move the upper part of the back rest forward. Move the lever downwards to move the upper part of the back rest rearwards.

**NOTE:** The seat is fitted with a microswitch to sense operator presence. When the machine is fitted with a ROPS frame or cab a lap belt is fitted and should be worn at all times

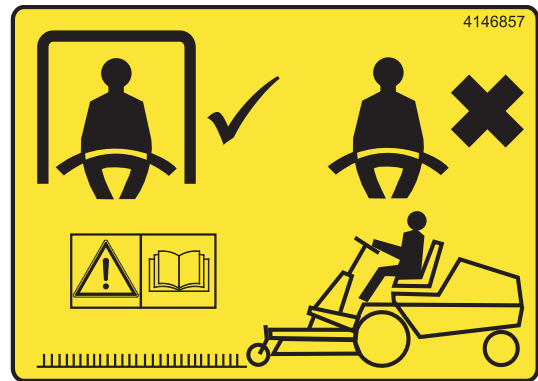


**⚠ DANGER ⚠**

When the machine is being used off road, whether cutting grass or not, the seat belt should only be worn when a ROPS frame is in place and deployed.

This rationale is based on the fact that a seat belt must be worn with a ROPS to comply with The Machinery Directive 98/37/EC sections 3.2.2, Seating & 3.4.3, Rollover.

Ransomes Jacobsen Limited recommends that a local risk assessment is completed by the owner/user of the machine to determine any exceptions to this seat belt wearing rule. e.g. use of the machine next to water or on the highway.



**10.1 GENERAL**

The trouble shooting chart below lists basic problems that may occur during start-up and operation. For more detailed information regarding the hydraulic and electrical systems contact your area Ransomes Distributor.

Symptoms	Possible Causes	Action	Section
Engine will not start.	1. Glow Plug has not timed out.	1. Reset ignition switch and allow glow plug to time out before cranking engine.	
	2. Battery low on charge or defective.	2. Inspect condition of battery and battery connections.	
	3. Fuel tank empty or fuel contaminated.	3. Fill tank with fresh fuel. Change filter, Bleed air from lines.	5.6
	4. Blown Fuse.	4. Replace Fuse.	
	5. Defective Starter Relay.	5. Test and replace relay if necessary.	
	6. Parking brake not applied	6. Apply parking brake	
	7. Mow engage lever set to cut.	7. Put hydraulic drive lever into neutral.	
Engine hard to start or runs poorly.	1. Fuel tank empty or fuel contaminated.	1. Fill tank with fresh fuel. Change filter, Bleed air from lines.	5.6
	2. Air Cleaner blocked or dirty.	2. Check air cleaner, replace as necessary.	
	3. Injectors, fuel pump.	3. Consult engine manual.	
	4. Other Engine Problem	4. Consult engine trouble shooting guide.	
Engine Stops.	1. Fuel tank empty	1. Fill with fresh fuel and bleed lines	
	2. Interlocks not set before leaving operators seat	2. Apply parking brake and put hydraulic drive lever into neutral.	
Engine Overheating.	1. Coolant level low	1. Inspect and add 50/50 antifreeze solution if required.	
	2. Radiator air intake restricted	2. Clean wire mesh guard at radiator.	
	3. Waterpump/alternator belt or fan belt loose or broken.	3. Inspect waterpump/alternator belt and fan belt. Tighten if necessary.	6.1
Battery not holding charge. Battery light on.	1. Loose or corroded battery terminals.	1. Inspect terminals, clean and tighten as required.	
	2. Low electrolyte level in battery.	2. Refill battery with distilled water	5.7
	3. Alternator belt loose or broken.	3. Inspect waterpump/alternator belt. Tighten if necessary.	6.1
	4. Alternator defective.	4. See engine manual.	
Cylinders cut unevenly.	1. Cylinder to bottom blade not adjusted properly.	1. Inspect cylinder to bottom blade adjustment.	
	2. Engine speed too low.	2. Check engine speed, run engine at full throttle.	
	3. Cylinder speed not adjusted for turf conditions.	3. Adjust cylinder speed for best cut.	
	4. Cylinder direction lever set in reverse.	4. Set cylinder direction lever to forward rotation.	
	5. Ground weight incorrectly adjusted	5. Adjust ground weight control valve till correct ground weight is achieved.	

## 10.2 Quality of Cut Troubleshooting

It is recommended that a “test cut” be performed to evaluate the mower’s performance before beginning repairs.

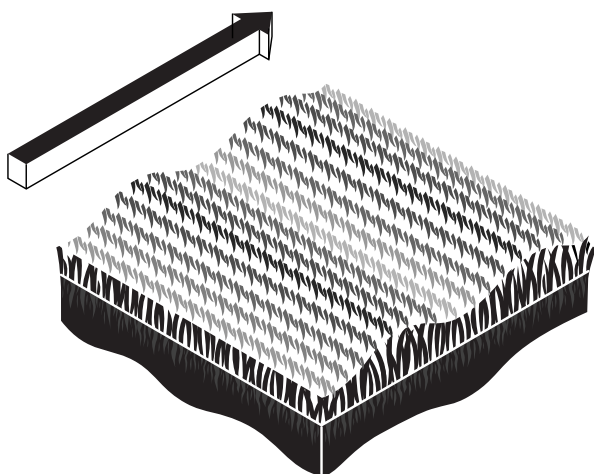
An area should be available where “test cuts” can be made. This area should provide known and consistent turf conditions to allow accurate evaluation of the mower’s performance.

Another “test cut” should be performed after the completion of the repairs and/or adjustments to verify the mower’s performance.

Before performing a “test cut” to diagnose cut appearance and mower performance, the following items should be verified to ensure an accurate “test cut.”

1. Mowing (Ground) Speed.
2. Reel Bearing Condition and Pre-Load (End Play) Adjustment.
3. Reel and Bedknife Sharpness.
4. Bedknife Alignment to Reel.
5. Reel-to-Bedknife Contact.
6. Height-of-Cut (HOC).
7. Roller and Roller Bearing Condition.

### 10.2.1 Washboarding

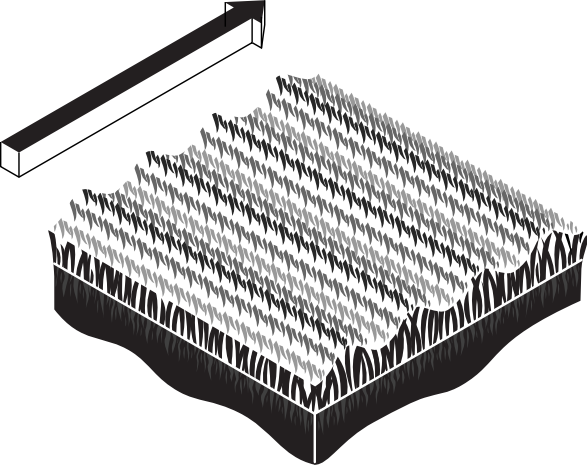


Washboarding is a cyclical pattern of varying cutting heights, resulting in a wave-like cut appearance. In most cases, the wave tip-to-tip distance is approximately 6—8 in. (15—20 cm). Colour variation (light-to-dark) may also be noticed. This condition is usually caused by a rocking motion in the cutting unit(s). This condition is found mostly on mowers with multiple (suspended) cutting units, but other causes can produce the same result. Washboarding may also be caused by variations in the turf.

NOTE: Arrow indicates direction of travel.

Probable Cause	Remedy
Mowing (ground) speed is too fast.	Reduce mowing (ground) speed.
Grass build-up on roller.	Clean the roller and use scrapers or brushes.
Roller is out of round.	Replace roller.
Mowing in the same direction.	Change mowing direction regularly.
Use of a groomer on cleanup pass.	Groomers should be used only in a straight line.

10.2.3    Marcelling

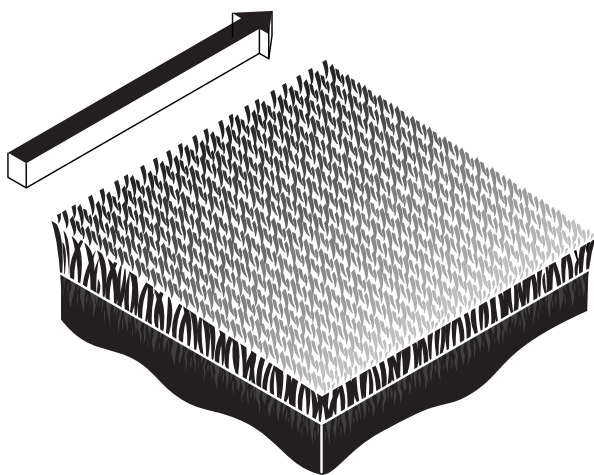


Marcelling, like washboarding, is a cyclical pattern of varying cutting heights, resulting in a wave-like cut appearance. In most cases, the wave tip-to-tip distance is 2 in. (5 cm) or less.

*NOTE: Arrow indicates direction of travel.*

Probable Cause	Remedy
Mowing (ground) speed is too fast.	Reduce mowing (ground) speed.
HOC (height-of-cut) setting is too low for turf conditions.	Check/adjust HOC to turf conditions.
Cutting reel diameter is worn.	Check cutting reel diameter and replace if worn.

## 10.2.4 Step Cutting

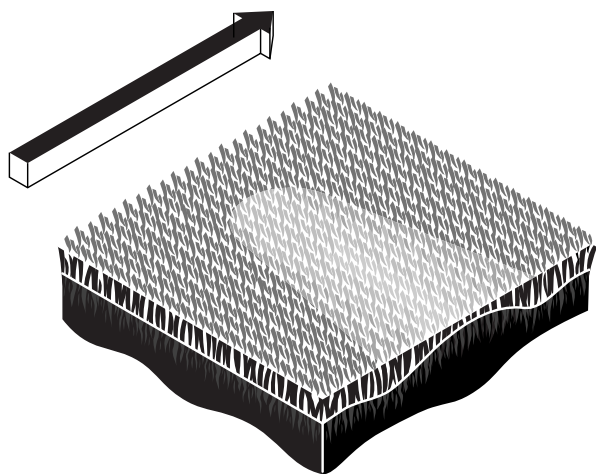


Step cutting occurs when grass is cut taller on one side of a reel than the other or one cutting unit to another. This is usually caused by mechanical wear or an incorrect roller or HOC (height-of-cut) adjustment.

**NOTE:** *Arrow indicates direction of travel.*

Probable Cause	Remedy
HOC (height-of-cut) settings are different from one side of a reel to the other or from one cutting unit to another.	Check HOC adjustment of cutting units.
Worn front roller bearings.	Check/replace front roller bearings.
Reel-to-bedknife contact is different from one side of the cutting unit to the other or from one cutting unit to another.	Check reel-to-bedknife contact.
Cutting reel movement is restricted.	Check/remove cutting reel movement obstruction.
Variations in turf density.	Change mowing direction.
Machine weight distribution is uneven.	Check/adjust tire inflation pressure.

## 10.2.5 Scalping

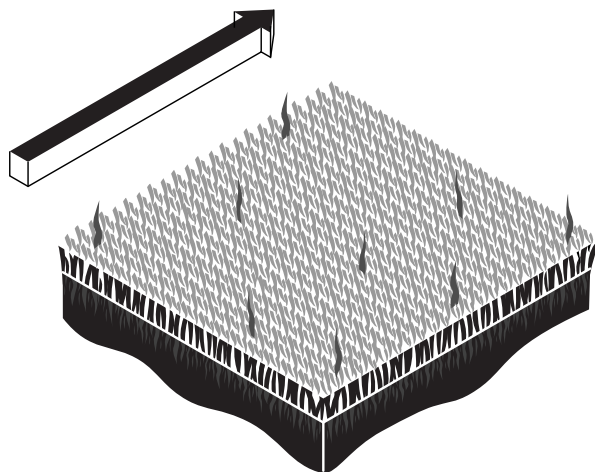


Scalping is a condition in which areas of grass are cut noticeably shorter than the surrounding areas, resulting in a light green or even brown patch. This is usually caused by an excessively low height-of-cut (HOC) setting and/or uneven turf.

**NOTE:** *Arrow indicates direction of travel.*

Probable Cause	Remedy
HOC (height-of-cut) settings are lower than normal.	Check/adjust the HOC settings.
Improper reel-to-bedknife adjustment.	Adjust reel-to-bedknife setting for desired HOC.
Turf too uneven for the mower to follow.	Change mowing direction.
Cutting too much grass at one time.	Mow more often.
Mowing (ground) speed is too fast.	Reduce mowing (ground) speed.

### 10.2.6 Stragglers

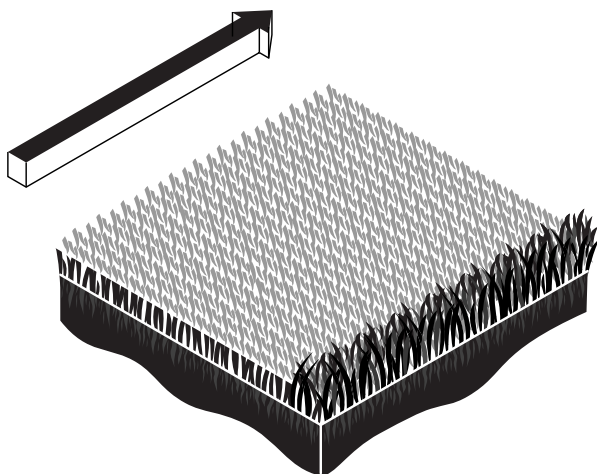


Stragglers are scattered blades of uncut or poorly cut grass.

**NOTE:** *Arrow indicates direction of travel.*

Probable Cause	Remedy
Bedknife improperly adjusted.	Adjust reel-to-bedknife setting.
Dull reel or bedknife cutting edges.	Sharpen or replace reel blade and bedknife as necessary.
Mowing (ground) speed is too fast.	Reduce mowing (ground) speed.
Grass is too tall.	Mow more often.
Mowing in the same direction.	Change mowing direction regularly.
Nicks in reel or bedknife.	Grind, sharpen or replace reel blades and bedknife as necessary.

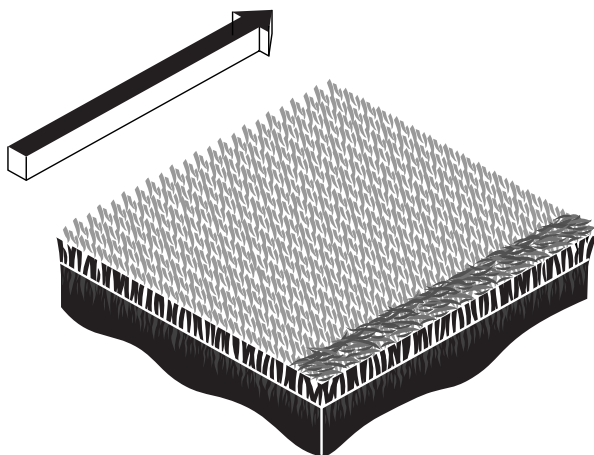
## 10.2.7 Streaks



A streak is a line of uncut grass. This is usually caused by a nicked or bent bedknife.

**NOTE:** *Arrow indicates direction of travel.*

Probable Cause	Remedy
Damaged bedknife.	Replace bedknife.
Damaged or unevenly worn reel.	Inspect reel. Replace as needed.
Loose or missing bedknife fasteners.	Check bedknife screws. Tighten loose screws; replace missing screws.
Turning too aggressively. Cutting units don't overlap around turns or on side hills.	Turn less aggressively to allow cutting units to overlap. Change mowing direction or pattern on side hills.
Tire mats down grass before it is cut.	Check/adjust tire inflation pressure.
Wet grass is matted down before it is cut.	Mow when grass is dry.

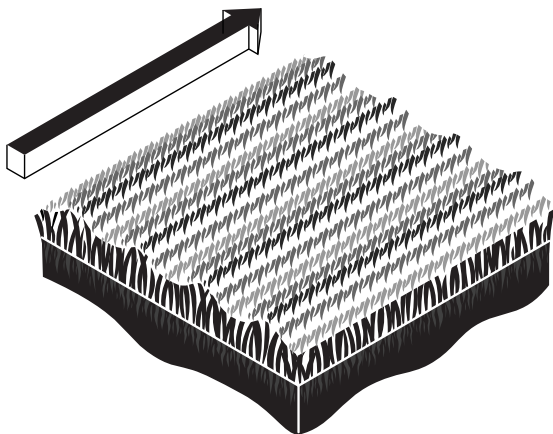
**10.2.8 Windrowing**

Windrowing is the deposit of clippings concentrated at one end of cutting unit(s) or between two cutting units, forming a line in the direction of travel.

**NOTE:** Arrow indicates direction of travel.

Probable Cause	Remedy
Grass is too tall.	Mow more often.
Mowing while grass is wet.	Mow when grass is dry.
Grass built up on roller(s).	Clean roller(s) and scraper(s).
Grass collecting on bedknife.	Adjust reel-to-bedknife setting.

## 10.2.9 Rifling Or Tramlining

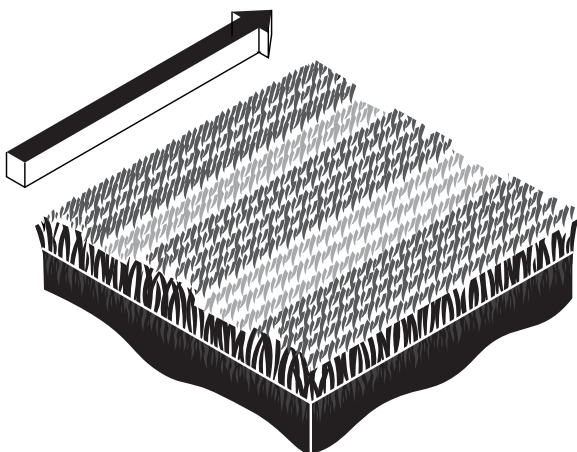


Rifling or tramlining is a pattern of varying cutting heights, resulting in a wave-like cut appearance, usually due to heavy contact points across a reel and/or bedknife.

**NOTE:** Arrow indicates direction of travel.

Probable Cause	Remedy
Reel and/or bedknife unevenly worn.	Inspect bedknife and reel. Sharpen or replace reel and bedknife as necessary.
Missing, loose, or over torqued bedknife screws.	Install, replace or tighten bedknife screws to proper torque setting.
Mowing (ground) speed is too fast.	Reduce mowing (ground) speed.

## 10.2.10 Mismatched Cutting Units



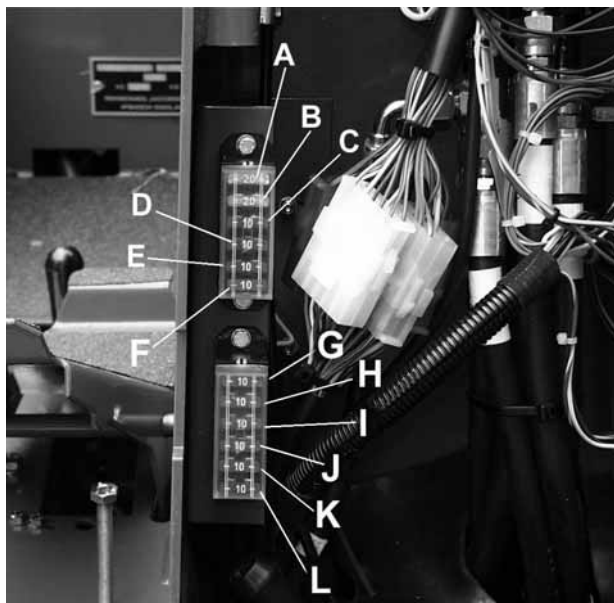
Mismatched cutting units is a pattern of varying cutting heights, resulting in a stepped cut appearance, usually due to mismatched HOC (height-of-cut) adjustment from one cutting unit to another.

**NOTE:** Arrow indicates direction of travel.

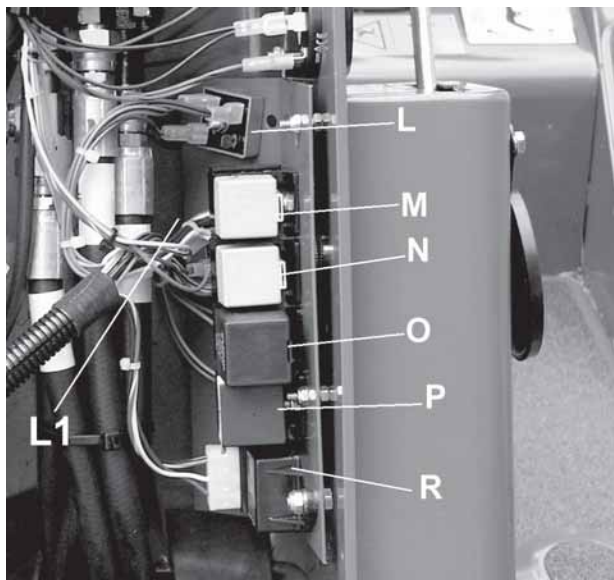
Probable Cause	Remedy
HOC inconsistent from one cutting unit to another.	Check/adjust HOC on cutting units.
Difference in mower ride height side to side.	Check/adjust tire inflation pressure.

**10.1 FUSES AND RELAYS - DIESEL**

- Fuse A – 20 Amp (Ignition) Wire colours Green & White.
- Fuse B – 20 Amp (Starter Soleniod) Wire colours White/Green & White/Orange
- Fuse C – 10 Amp (Cab Supply) Wire colours White & White/Purple
- Fuse D – 10 Amp (LH Side rear lights) Wire colours Red & Red/Black
- Fuse E – 10 Amp (RH Side rear lights) Wire colours Red & Red/Orange
- Fuse F – 10 Amp (LH Headlamp) Wire colours Blue/Pink & Blue
- Fuse G – 10 Amp (RH Headlamp) Wire colours Blue/Red & Blue
- Fuse H – 10 Amp (Battery + to Hazards) Wire colours Brown & White/Orange
- Fuse I – 10 Amp (Ignition for Hazards/ Indicators) Wire colours Grey/Red & White.
- Fuse J – 10 Amp (Beacon) Wire colours Purple/ Brown & Brown
- Fuse K – 10 Amp (Safety Circuit) Wire colours Green & White
- Fuse L – 10 Amp (Spare)



- Component L Diode Bridge (Main Harness)
- Component L1 Diode Bridge (Binnacle Harness)
- Component M – Relay 2 (Safety circuit: mow switch/parking brake) Wire colours to holder White/red, Black, White/yellow & Green/grey
- Component N – Relay 1 (Safety circuit: seat switch) Wire colours to holder White/ orange, White/red, Green/ orange & Black
- Component O – Flasher Relay Wire colours to holder Green/ Black, Black & Grey/yellow
- Component P – Seat Switch Delay Wire colours to holder Green & Green/Blue
- Component R – Lamp Timer



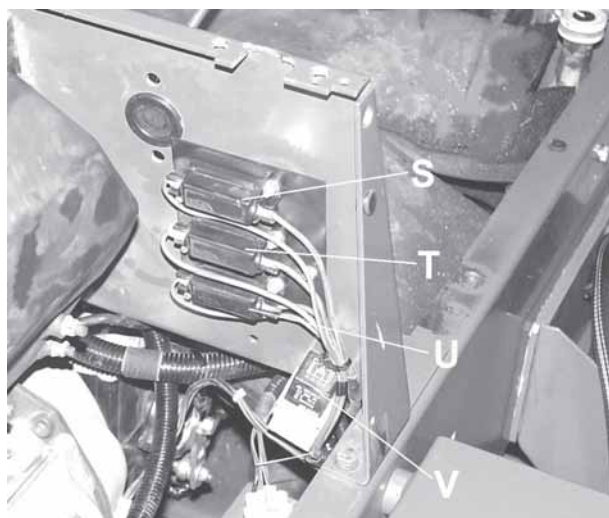
FUSE S(TOP) – Brown wire to here will have an 'H' identification tag, this is the circuit for the Glow Plug Heaters (Pre'Heat)

FUSE T (MIDDLE) – Brown wire to here will have an 'A' identification tag, this is the circuit for the Alternator.

FUSE U (BOTTOM) – Brown wire to here will have an 'S' identification tag, this is the circuit for the Safety system.

NOTE: ANY RED 'LIVE' WIRE FROM BATTERY CAN LOCATE ON TO ANY FUSE.

Relay V – 70 Amp (Heater Relay).



## GUARANTEE

We GUARANTEE that should any defect in workmanship or material occur in the goods within TWO YEARS or two thousand hours (on models equipped with hour meters), or whichever occurs first.

Exception to this warranty will be Aeration products, which are covered for a period of TWO-YEARS or five hundred hours (on models equipped with hour meters) or whichever occurs first.

We will repair, or at our option, replace the defective part without making any charge for labour or for materials, provided that the claim under this guarantee is made through an authorised dealer and that the defective part shall, if we so request, be returned to us or to the dealer.

This guarantee is in addition to, and does not exclude, any condition or warranty implied by law, except that we accept no liability in respect of used/second-hand goods, or in respect of defects which in our opinion are in any way or to any extent attributable to misuse, lack of reasonable care or ordinary wear and tear, or to the fitting of spares, replacements, or extra components which are not supplied or approved by us for the purpose. The use of non-recommended oil or lubricant nullifies the guarantee.

Damage through transport or normal wear does not come under the guarantee.

The warranty is extended to the original purchaser only and is not transferable to subsequent owners. The warranty period begins on the date the product is delivered to the end user (customer), unless otherwise agreed with the manufacturer. At the end of the first year the owner must have the product serviced by an authorised dealer to be eligible for the second year of warranty coverage.

## SALES & SERVICE

A network of authorised Sales and Service dealers has been established and these details are available from your supplier.

When service attention, or spares, are required for the machine, within or after the guarantee period your supplier or any authorised dealer should be contacted. Always quote the registered number of the machine.

If any damage is apparent when delivery is made, report the details at once to the supplier of the machine.







Ransomes Jacobsen Limited  
West Road, Ransomes Europark, Ipswich, IP3 9TT  
English Company Registration No. 1070731  
[www.ransomesjacobsen.com](http://www.ransomesjacobsen.com)

Jacobsen, A Textron Company  
11108 Quality Drive, Charlotte,  
NC 28273, USA  
[www.Jacobsen.com](http://www.Jacobsen.com)